United States Patent [19] 4,820,518 Patent Number: Murphy et al. Date of Patent: Apr. 11, 1989 [54] COSMETIC POWDER PRODUCT 3.800.034 3/1974 Kircher et al. 424/63 3,905,936 9/1975 Hawthorne 427/221 X [75] Inventors: John H. Murphy, Germantown, 4,337,859 7/1982 Murphy et al. 206/37 4,414,200 11/1983 Murphy et al. 424/63 4,494,993 1/1985 Bernhard et al. 106/291 4,565,581 1/1986 Bernhard 427/219 Tenn.; Ernest S. Curtis, Milford, Pa.; Donald D. Horton, Glen Spey, N.Y. [73] Assignee: Kolmar Laboratories Inc., Port 4,656,087 4/1987 Lubianez et al. 427/219 X Jervis, N.Y. FOREIGN PATENT DOCUMENTS [21] Appl. No.: 940,431 2122890 11/1972 Fed. Rep. of Germany 427/221 2922919 12/1979 Fed. Rep. of Germany 427/221 [22] Filed: Dec. 11, 1986 Int. Cl.4 A61K 6/00; B29B 9/00 Primary Examiner-Thurman K. Page [52] U.S. Cl. 424/401; 424/63; Attorney, Agent, or Firm-Andrus, Sceales, Starke & 424/486; 264/7 Sawall [58] Field of Search 428/405; 427/219, 221; ABSTRACT 424/63, 69, 401, 489, 486, 502; 264/7 A non-pressed cosmetic powder containing hydropho-[56] References Cited

427/221 X

U.S. PATENT DOCUMENTS

2,722,504 11/1955 Fleck .

bic inorganic pigments.

13 Claims, No Drawings

COSMETIC POWDER PRODUCT

BACKGROUND OF THE INVENTION

In the past, loose powder cosmetic products were commonly applied to the skin through use of a puff. More recently, pressed powder products, such as face powder, eye shadow, blushes or the like have replaced the loose powder products and are produced by compressing loose powder into a metal pan using direct pressure. The pan containing the pressed powder cake is then glued into a compact or other container.

In the fabrication of pressed powder products, the pressure used in the pressing operation must be maintained within precise limits. If the pressure is too great, 15 the metal pan may be distorted and must be discarded. In addition, utilizing a high pressure results in a cake which lacks the desired payoff characteristics. On the other hand, if the pressure is too low, the pressed cake will lack cohesive strength.

Further, certain powder compositions cannot be successfully used as a pressed powder cake because the pressure required to obtain the necessary cohesive strength will either distort the metal pan or produce a cake that is so hard that it lacks payoff.

To eliminate the problems associated with pressed powder products, non-pressed or poured powder cosmetic products have been proposed, as disclosed in U.S. Pat. Nos. 4,337,859 and 4,414,200. To form a non-pressed cosmetic product, a slurry is initially formed by 30 mixing powdered materials, a binder such as a fatty acid, an evaporable carrier and pigments. The slurry is then poured into a container or mold, and on cooling and evaporation of the carrier, a solid product or cake is produced.

The powder cake, as produced by the aforementioned patents, can be formed directly in the compact or marketing container without the use of a metal pan as is required in pressed powder processes. By eliminating the use of the metal pan, the design configuration of the 40 cake can be increased and the labor and assembly operations are greatly reduced.

It is has been noted that certain inorganic pigments, such as the oxides of iron, chromium and magnesium, possess a high degree of static charge. In a pressed 45 powder product, the static charge does not present problems since the binders used in the pressed powder formulation tend to disperse the charges and the mechanical force of compression tends to hold the cake together.

However, in a non-pressed powder product, as disclosed in the aforementioned patents, the static charge on the pigments can cause color drift during filling and cracking of the cake on drying. These problems are further accentuated when small amounts of water from 55 condensed steam used in the manufacturing process are present in the composition. It has been found that pigments tainted with water are attracted to various parts of the manufacturing equipment, such as the kettle, agitators and filling equipment, with the result that the 60 slurry being poured into the mold or container does not contain all of the pigments of the formulation and shade drift or lack of color can occur when using multiple color pigments.

SUMMARY OF THE INVENTION

The invention is directed to a non-pressed cosmetic powder product containing hydrophobic inorganic

pigments which resist color drift and prevent cracking of the cake during drying. The product is formed by mixing cosmetically acceptable powders, a binder, such as a fatty alcohol containing from 12 to 22 carbon atoms, an evaporable carrier and hydrophobic inorganic pigments to form a slurry. The hydrophobic pigments are formed by coating the inorganic pigments with a non-polar, water insoluble, organic coating, such as a polymethylsilicone.

The slurry at an elevated temperature is poured into a mold or container, and on cooling and evaporation of the carrier, a solid powder cake is produced.

The hydrophobic coating on the pigments eliminates static charges and thereby produces a dry powder cake that is homogeneous in composition.

The use of the hydrophobic pigments also eliminates color drift and provides a more predictible color in the final product.

Other objects and advantages will appear in the course of the following description.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The cosmetic powder product of the invention is prepared from a slurry having the following formulation in weight percent:

Finely divided inert filler or powder	70%-10%
Binder	5%-30%
Volatile carrier	25%-60%
Cosmetic coloring materials	1%-15%

The finally divided filler or powder can take the form 35 of cosmetically acceptable powders such as aluminum hydroxide, kaolin, tale, mica, corn starch, calcium carbonate, silicon dioxide, calcined clay, barium sulfate, aluminum oxide, aluminum silicate, and the like.

The binder is preferably a fatty alcohol that is miscible with the carrier and contains from 12 to 22 carbon atoms in the molecule. The fatty alcohol can preferably take the form of cetyl alcohol, stearyl alcohol, and the like.

The volatile organic carrier is a liquid at room temperature and preferably takes the form of a siloxane composed primarily of two cyclic components: D₄ cyclodimethicone and D₅ cyclodimethicone. The D₄ component represents the majority with the D₅ being a minor constitutent. Chemically D₄ cyclodimethicone may be symbolically written as:



and D₅ cyclodimethicone may be symbolically written as:



The cosmetically acceptable coloring materials include inorganic pigments such as iron oxide, ultrama-

rines, chromium oxide, chromium hydroxide, titanium dioxide, ferric ferrocyanide, and ferric ammonium ferrocyanide. In addition, the coloring materials can also include organic dyes and lakes and pearlescents.

It has been found that the inorganic pigments normally have a high degree of static charge. In a nonpressed product, as in the invention, the static charge on the inorganic pigments can cause color drift and cracking of the dried cake. In accordance with the invention, these problems are eliminated by coating the inorganic 1 pigments with a non-polar, water insoluble, dielectric material which renders the pigments hydrophobic and eliminates the static charge. The preferred material for coating the inorganic pigments is a polymethylsilicone such as dimethylmethicone. Other coating materials which can be employed are metallic soaps, such as aluminum myristate and aluminum laurate; amino acids such as acylglutamate; oils such as mineral oil; lecithin and the like. The hydrophobic coating is used in an amount of 1% to 3% by weight of the inorganic pig- 2 ments.

It has been proposed in the past to incorporate antificational materials, such as polymethylsilicones, in cosmetic products to provide a smooth feel on application to the skin. However, the polymethylsilicone is used for a different purpose in the composition of the invention in that it provides a hydrophobic coating on the inorganic pigment particles to eliminate the static charge and prevent hydration as well as agglomeration of the particles. In the present composition, the fatty alcohol imports smoothness and slip to the composition.

In addition to the above ingredients, the slurry can also contain small amounts, up to 2% by weight, of fatty acid esters containing from 12 to 22 carbon atoms such as isopropyl myristate or isopropyl palmitate which prevent dusting of the cake, and/or magnesium stearate which aids in preventing glazing of the cake, and/or a preservative such as methyl paraben or propyl paraben, and/or perfumes.

To prepare the cosmetic product of the invention, a liquid slurry is prepared by dispersing the fatty alcohol in the volatile carrier at an elevated temperature, generally in the range of about 60° C. to 70° C. The remaining ingredients, such as the powdered filler, coloring materials and other additives are then mixed into the liquid dispersion to provide the slurry. The slurry, at a temperature of about 50° C. to 60° C., is then poured by gravity into a container or mold, and on cooling to a temperature below about 45° C. the slurry will solidify to form a solid cake.

Subsequently the cake is dried, preferably at an elevated temperature of about 40° C. for about 60 hours to evaporate the carrier from the cake so that the dried cake has a residual carrier content of less than 2% by weight. While it is possible to evaporate all the carrier, it is normally uneconomical to go beyond the 2% level. The resulting cake can then be packaged in a conventional manner.

The following formulations in weight percent illustrate the preparation of poured powder products in accordance with the invention:

INGREDIENTS	 Example No. 1 - BLUSHER	
Silicone SF 1173	38.00	_
Alumina 617	32.71	
Stearyl Alcohol	8.50 ,	

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-continued	<u> </u>
Ethyl Hexyl Palmitate	1.00
Magnesium Stearate	1.05
Biron HB	6.30
Methyl Paraben Propyl Paraben	0.13
Germall 115	0.05 0.08
Mineral Oil	0.43
Silicone 1107	0.03
Tenox BHA	0.01
C-19-003 D&C Red #7	0.96
Coated 9111 Cosmetic Brown	1.60
Coated 9124 Red Iron Oxide Coated D9510 Ultramarine Blue	1.39
Mica M	0.37 5.25
Timica Pearl White	1.07
MP 1001 Pearl	1.07
	100.00%
INGREDIENTS	Example No. 2 - BLUSHER
Silicone SF 1173	38.00
Alumina 617	26.92
Stearyl Alcohol	8.50
Ethyl Hexyl Palmitate	1.00
Magnesium Stearate	1.05
Biron HB	6.30
Methyl Paraben	0.13
Propyl Paraben Germall 115	0.05
Mineral Oil	0.08 0.43
Silicone 1107	0.03
Tenox BHA	0.01
Coated 9124 Red Iron Oxide	. 0.65
Mica M	5.25
MIP IOI PERTI	10.94
6506 D&C Red #6	0.66
	100.00% Example No. 3
INGREDIENTS	EYESHADOW
Silicone SF 1173	38.00
Alumina 617	25.70
Stearyl Alcohol	8.50
Ethyl Hexyl Palmitate Magnesium Stearate	1.00 1.05
Biron HB	2.63
Methyl Paraben	0.13
Propyl Paraben	0.05
Germall 115	0.08
Mineral Oil	1.57
Tenox BHA	. 0.01
Coated D9510 Ultramarine Blue	3.80
Mica M	5.83
Timica Pearl White Coated D9146 Black Iron Oxide	0.58 2.33
Coated D9210 Maganese Violet	2.91
Cloissone Blue	5.83
	100.00%
INGREDIENTS	Example No. 4 - EYESHADOW
Silicone SF 1173	38.00
Alumina 617	21.90
Stearyl Alcohol	8.50
Ethyl Hexyl Palmitate	1.00
Magnesium Stearate	1.05
Biron HB	6.82
Methyl Paraben	0.13
Propyl Paraben Germail 115	0.05
* 41	0.08 3.03
Mineral Oil Tenox BHA	0.01
Coated D9510 Ultramarine Blue	0.87
Mica M	3.25
Coated D9146 Black Iron Oxide	0.11
Cloissone Blue	5.41

Coated D9310 Chromium Hydroxide Green Flamenco Super Pearl 100

INGREDIENTS

9.74

Example No. :

-continued		
Silicone SF1173	38.00	
Alumina 617	10.69	
Stearyl Alcohol	8.50	
Ethyl Hexyl Palmitate	1.00	
Magnesium Stearate	1.05	
Biron HB	6,30	
Methyl Paraben	0.13	
Propyl Paraben	0.05	
Germali 115	0.08	
Tenox BHA	0.01	
Silicone Coated Chromium	0.74	
Hydroxide Green		
Amino Acid Treated Black Iron Oxide	3.18	
Silicone Coated Ultramarine Blue	0.21	
Amino Acid Treated Yellow Iron Oxide	1.48	
Mineral Oil	3.18	
Mica M	2.63	
Cloisonne Green	12.71	
Colorona Dark Blue	10.06	
	100,00%	

INGREDIENTS	Example No.
Silicone SF1173	38.00
Alumina 617	21.47
Stearyl Alcohol	8.50
Ethyl Hexyl Palmitate	1.00
Magnesium Stearate	1.05
Biron HB	5.25
Methyl Paraben	0.13
Propyl Paraben	0.05
Germall 115	0.08
Tenox BHA	0.01
Mineral Oil	3.57
Mica M	2.63
Silicone Coated Cosmetic Brown	0.06
Metal Soap Treated Yellow Iron Oxide	0.30
Silicone 1107 Fluid	0.03
Flamenco Gold 100	17.87
	100.00%

In all of the above examples, the fatty alcohol was added to the liquid siloxane at a temperature of 65° C. and the remaining ingredients were then blended into the liquid to form a slurry. In each case the slurry, at a temperature of about 55° C. was poured into plastic 40 molds to form the products. Air at a temperature of 28° C. was passed over the products for a period of 72 hours to evaporate the major proportion of the siloxane to provide the finished product composition. In each example the dried product had a residual siloxane content 45 of less than 2% by weight.

In molding the product, the slurry can be poured directly into a component of the final package, or alternately, the slurry can be introduced into a separate mold or container and subsequently transferred to the pack- 50 age.

The product of the invention can be used to produce a wide variety of cosmetic or pharmaceutical products such as face powders, rouges, blushes, antiperspirants, eye shadows, deodorants, and the like.

Through use of the coated inorganic pigments, the pigments are hydrophobic and free of static charge so that any water associated with steam condensation during the manufacturing process will not cause color drift and a more predictable color can be achieved in the 60 final poured powder product.

By eliminating the static charge on the inorganic pigments, a more uniform product is achieved which will not crack during the drying operation.

Various modes of carrying out the invention are con65
templated as being within the scope of the following
claims particularly pointing out and distinctly claiming
the subject matter which is regarded as the invention.

We claim:

1. A non-pressed solid powder cosmetic product, comprising a mixture of a finely divided cosmetically acceptable filler, an organic binder, an evaporable organic carrier, and cosmetic coloring materials, said cosmetic coloring materials including inorganic pigments coated with a non-polar water insoluble organic dielectric material, said coated pigments being hydrophobic and free of static charge.

2. The product of claim 1, wherein said binder is an organic fatty alcohol containing from 12 to 22 carbon atoms and said carrier is a liquid volatile cyclic siloxane.

 The product of claim 1, wherein said pigments are selected from the group of iron oxides, magnesium ox-15 ides, chromium oxides, and mixtures thereof.

4. A non-pressed solid powder cosmetic product, comprising a mixture of a finely divided cosmetically acceptable filler, an organic binder, an evaporable organic carrier, and cosmetic coloring materials, said 20 cosmetic coloring materials including inorganic pigments coated with a polymethylsilicone.

5. The product of claim 4, wherein said polymethyl-silicone is dimethylmethicone.

6. A non-pressed solid powder cosmetic product, comprising a mixture of a finely divided cosmetically acceptable filler, a fatty alcohol containing from 12 to 22 carbon atoms, a residual amount of an evaporable liquid cyclic siloxane, and cosmetic coloring materials including inorganic pigment particles having a static 30 charge and coated with a non-polar water insoluble organic coating material to provide a hydrophobic static-free coating on said particles.

7. The product of claim 6, wherein said coating material comprises from 1% to 3% by weight of said particles

8. The product of claim 6, wherein said coating material is selected from the group consisting of dimethylsilicones, metallic soaps, amino acids, oils, lecithin, and mixtures thereof.

9. A method of producing a non-pressed cosmetic powder product, comprising the steps of coating inorganic cosmetic pigment particles with an organic non-polar water insoluble coating to provide a hydrophobic substantially static free coating on said particles, mixing the coated pigment particles with a finely divided cosmetically acceptable filler, an organic binder and a liquid evaporable carrier to form a slurry, pouring the slurry into a mold to form a molded product, and evaporating the carrier while maintaining said product under atmospheric pressure to form a dried cosmetic powder product.

10. A method of producing a non-pressed cosmetic powder product, comprising the steps of coating inorganic cosmetic pigment particles with a polymethylsilicone to provide a hydrophobic substantially static free coating on said particles, mixing the coated pigment particles with a finely divided cosmetically acceptable filler, an organic binder and a liquid evaporable carrier to form a slurry, pouring the slurry into a mold to form a molded product, and evaporating the carrier while maintaining said product under atmospheric pressure to form a dried cosmetic powder product.

11. The method of claim 9, wherein said slurry is poured under atmospheric pressure into said mold.

12. The method of claim 9, wherein said inorganic pigments contain a metal selected from the group consisting of iron, magnesium, chromium and mixtures thereof.

13. A method of producing a non-pressed cosmetic powder product, comprising the steps of coating inorganic cosmetic pigment particles with an organic nonpolar water insoluble coating to provide a hydrophobic substantially static free coating on said particles, mixing the coated pigment particles with a finely divided cosmetically acceptable filler, an organic binder and a liquid evaporable carrier in the following amounts by weight to form a slurry:

Filler	70%-10%
Binder	5%-30%
Carrier	25%-60%
Coated pigment particles	1%-15%

pouring the slurry into a mold to form a molded product, and evaporating the carrier to reduce the carrier to a residual amount less than 2% by weight of said composition while maintaining said product under atmospheric pressure to form a dried cosmetic powder prod-

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,			DERWENT	11.50
	160075		USPAT;	2001/11/05
- .	162375	polystyrene		14:56
			EPO; JPO;	14:56
7			DERWENT	0000/11/16
-	2352747	layer or layers or (multi-layer) or	USPAT;	2000/11/16
		(multilayer) or layered (multi-layered)	EPO; JPO;	15:27
	3	or (multilayers) or (multi-layers)	DERWENT	·
- '	75233	(silver or silica) near4 (layer or	USPAT;	2000/11/15
		layers or (multi-layer) or (multilayer)	EPO; JPO;	17:52
		or layered (multi-layered) or	DERWENT	1 .
		(multilayers) or (multi-layers))		
	26275	(titanium or titania) near4 (layer or	USPAT;	2000/11/15
	20270	layers or (multi-layer) or (multilayer)	EPO; JPO;	17:54
		or layered (multi-layered) or	DERWENT	1
.]		(multilayers) or (multi-layers))		
[4015	(multilayers) or (multi-layers) polystyrene near4 (layer or layers or	USPAT;	2000/11/15
	4815			17:55
. • • •		(multi-layer) or (multilayer) or layered	EPO; JPO;	17.55
1 .	1 .	(multi-layered) or (multilayers) or	DERWENT	
1	1	(multi-layers))		0000/12/27
 -	2894	((titanium or titania) near4 (layer or	USPAT;	2000/11/15
1		layers or (multi-layer) or (multilayer)	EPO; JPO;	17:55
		or layered (multi-layered) or	DERWENT	†
		(multilayers) or (multi-layers))) and		
1.48		((silver or silica) near4 (layer or		
	1	layers or (multi-layer) or (multilayer)		1
	1	or layered (multi-layered) or		
[(multilayers) or (multi-layers)))		
1_	67	((titanium or titania) near4 (layer or	USPAT;	2000/11/15
1	6/	layers or (multi-layer) or (multilayer)	EPO; JPO;	17:55
				11.33
1		or layered (multi-layered) or	DERWENT	,
1		(multilayers) or (multi-layers))) and		ļ ·
[1	(polystyrene near4 (layer or layers or		
1	· ·	(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		
		(multi-layers)))		

		· · · · · · · · · · · · · · · · · · ·		10000/11/25
-	2948	(((titanium or titania) near4 (layer or	USPAT;	2000/11/15
		layers or (multi-layer) or (multilayer)	EPO; JPO;	17:58
		or layered (multi-layered) or	DERWENT	
1		(multilayers) or (multi-layers))) and		
		((silver or silica) near4 (layer or	!	
		layers or (multi-layer) or (multilayer)		į
		or layered (multi-layered) or		
		(multilayers) or (multi-layers)))) or		•
	. *	(((titanium or titania) near4 (layer or		
		layers or (multi-layer) or (multilayer)		
1 : 1		or layered (multi-layered) or		
1		(multilayers) or (multi-layers))) and		
- 7.		(polystyrene near4 (layer or layers or		
		(multi-layer) or (multilayer) or layered		
	;	(multi-layered) or (multilayers) or		
		(multi-layers))))		2000 (11 (15
-	3152	mascara or (eye adj shadow\$1) or (eye adj	USPAT;	2000/11/15
		liner\$1)	EPO; JPO;	17:58
			DERWENT	2000/11/25
-	. 204	(("424/70.7") or ("424/70.9")).CCLS.	USPAT;	2000/11/16
			EPO; JPO;	15:24
3-		.,,,,,	DERWENT	2000/11/15
-	2948	(((titanium or titania) near4 (layer or	USPAT;	2000/11/15
		layers or (multi-layer) or (multilayer)	EPO; JPO;	18:14
		or layered (multi-layered) or	DERWENT	·
		(multilayers) or (multi-layers))) and		•
		((silver or silica) near4 (layer or		
		layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or (multilayers) or (multi-layers)))) or		
		(((titanium or titania) near4 (layer or		- 1 -
.	9	layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
		(multilayers) or (multi-layers))) and		
		(polystyrene near4 (layer or layers or		
		(multi-layer) or (multilayer) or layered		P.
		(multi-layered) or (multilayers) or		
		(multi-layers))))		-
1_	· 3152	mascara or (eye adj shadow\$1) or (eye adj	USPAT;	2000/11/16
-	3132	liner\$1)	EPO; JPO;	15:24
			DERWENT	
_	204	(("424/70.7") or ("424/70.9")).CCLS.	USPAT;	2000/11/15
	204	(121/1011 / 02 (121/1013 //100131.	EPO; JPO;	18:03
			DERWENT	
_	. 0	((((titanium or titania) near4 (layer or	USPAT;	2000/11/15
	Ĭ	layers or (multi-layer) or (multilayer)	EPO; JPO;	18:18
] -		or layered (multi-layered) or	DERWENT	
		(multilayers) or (multi-layers))) and		
	-	((silver or silica) near4 (layer or		
		layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
		(multilayers) or (multi-layers)))) or		
		(((titanium or titania) near4 (layer or		
	•	layers or (multi-layer) or (multilayer)]
		or layered (multi-layered) or		
		(multilayers) or (multi-layers))) and		
		(polystyrene near4 (layer or layers or	13	
		(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		
		(multi-layers))))) and (mascara or (eye		1
		adj shadow\$1) or (eye adj liner\$1)) and		
		((("424/70.7") or ("424/70.9")).CCLS.)		

•				
Γ=	.1	6 ((((titanium or titania) near4 (layer or	USPAT;	2000/11/16
-] .	layers or (multi-layer) or (multilayer)	EPO; JPO;	15:16
		or layered (multi-layered) or	DERWENT	13.10
	·		DEKWENI	
		(multilayers) or (multi-layers))) and		
		((silver or silica) near4 (layer or		1
1		layers or (multi-layer) or (multilayer)	1	
		or layered (multi-layered) or		
		(multilayers) or (multi-layers)))) or		
		(((titanium or titania) near4 (layer or		(4)
1		layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		-
		(multilayers) or (multi-layers))) and		
		(polystyrene near4 (layer or layers or		
		(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		[
1		(multi-layers))))) and (mascara or (eye		ļ
1		adj shadow\$1) or (eye adj liner\$1))		
			USPAT;	2000/11/15
		5 (("4623396") or ("4838648")).PN.		
			EPO; JPO;	18:05
.			DERWENT	0000/11/15
		4 ("3767443").PN.	USPAT;	2000/11/15
			EPO; JPO;	18:09
			DERWENT	
-	182	5 (((titanium or titania) near4 (coat or	USPAT;	2000/11/15
		coating or coated or coats or coatings))	EPO; JPO;	18:17
'	ļ	and ((silver or silica) near4 (coat or	DERWENT	
		coating or coated or coats or coatings))]
	İ) or (((titanium or titania) near4 (coat		
:	ł	or coating or coated or coats or		
		coatings)) and (polystyrene near4 (coat		
		or coating or coated or coats or	,	- 10
	1 _	coatings)))	USPAT;	2000/11/15
ļ	2	3 (mascara or (eye adj shadow\$1) or (eye		
	- X	adj liner\$1)) and ((((titanium or titania	EPO; JPO;	18:19
) near4 (coat or coating or coated or	DERWENT	·
	Ì	coats or coatings)) and ((silver or		
	1	silica) near4 (coat or coating or coated	, ′	'
		or coats or coatings))) or (((titanium	9	
		or titania) near4 (coat or coating or		
		coated or coats or coatings)) and		
		(polystyrene near4 (coat or coating or		
		coated or coats or coatings)))))		
_ *	1	7 (mascara or (eye adj shadow\$1) or (eye	USPAT;	2000/11/15
		adj liner\$1)) and (((titanium or titania	EPO; JPO;	18:20
. ,) near4 (coat or coating or coated or	DERWENT	-
		coats or coatings)) and ((silver or		
		silica) near4 (coat or coating or coated		
		or coats or coatings))) or (((titanium		
0		or titania) near4 (coat or coating or		
		coated or coats or coatings)) and		
	1	(polystyrene near4 (coat or coating or		*
٠.	ł	coated or coats or coatings)))) and		
v	1	((("424/70.7") or ("424/70.9")).CCLS.)		

		1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
- 16	((mascara or (eye adj shadow\$1) or (eye	USPAT;	2000/11/15
	adj liner\$1)) and ((((titanium or titania	EPO; JPO;	18:21
+ 4.) near4 (coat or coating or coated or	DERWENT	
	coats or coatings)) and ((silver or		
	silica) near4 (coat or coating or coated		·
•	or coats or coatings))) or (((titanium	1	1
·	or titania) near4 (coat or coating or		
	coated or coats or coatings)) and	i	
·	(polystyrene near4 (coat or coating or	i	
	coated or coats or coatings))))) not		1
	((mascara or (eye adj shadow\$1) or (eye	*	
	adj liner\$1)) and ((((titanium or titania		
) near4 (coat or coating or coated or		. "
	coats or coatings)) and ((silver or		
	silica) near4 (coat or coating or coated		
	or coats or coatings))) or (((titanium	İ	
	or titania) near4 (coat or coating or		
	coated or coats or coatings)) and		· ·
	(polystyrene near4 (coat or coating or		
	coated or coats or coatings)))) and		
1	((("424/70.7") or ("424/70.9")).CCLS.))		
- 12	(((mascara or (eye adj shadow\$1) or (eye	USPAT;	2000/11/15
- 12	adj liner\$1)) and (((titanium or titania	EPO; JPO;	18:21
) near4 (coat or coating or coated or	DERWENT	10.21
·	coats or coatings)) and ((silver or	DERWENT	m.
	silica) near4 (coat or coating or coated		
]	
181	or coats or coatings))) or (((titanium		
	or titania) near4 (coat or coating or		
	coated or coats or coatings)) and		
	(polystyrene near4 (coat or coating or		1
	coated or coats or coatings))))) not		
	((mascara or (eye adj shadow\$1) or (eye		· · · · · · · · · · · · · · · · · · ·
	adj liner\$1)) and ((((titanium or titania		
, g) near4 (coat or coating or coated or		
	coats or coatings)) and ((silver or	w - X	
	silica) near4 (coat or coating or coated	· •	
· •	or coats or coatings))) or (((titanium		×
	or titania) near4 (coat or coating or	1.	*
1	coated or coats or coatings)) and		
:	(polystyrene near4 (coat or coating or		
*	coated or coats or coatings)))) and		
	((("424/70.7") or ("424/70.9")).CCLS.)))		
	not (((((titanium or titania) near4		
. "	(layer or layers or (multi-layer) or		,
•	(multilayer) or layered (multi-layered)		
	or (multilayers) or (multi-layers))) and		
	((silver or silica) near4 (layer or		-
	layers or (multi-layer) or (multilayer)	-	
	or layered (multi-layered) or		
	(multilayers) or (multi-layers)))) or	-	,
	(((titanium or titania) near4 (layer or		
1.	layers or (multi-layer) or (multilayer)		
	or layered (multi-layered) or		
3.00 A	(multilayers) or (multi-layers))) and		*
	(polystyrene near4 (layer or layers or		,
	(multi-layer) or (multilayer) or layered		
	(multi-layered) or (multilayer) or layered (multi-layered) or (multilayers) or	-	
	(multi-layers))))) and (mascara or (eye	· ·	
	adj shadow\$1) or (eye adj liner\$1)))	<u> </u>	

	6	((((titanium or titania) near4 (layer or	USPAT;	2000/11/16
		layers or (multi-layer) or (multilayer)	EPO; JPO;	15:22
		or layered (multi-layered) or	DERWENT	
		(multilayers) or (multi-layers))) and		
0		((silver or silica) near4 (layer or		
		layers or (multi-layer) or (multilayer)	•	
		or layered (multi-layered) or		,
		(multilayers) or (multi-layers)))) or		
		(((titanium or titania) near4 (layer or		
	·	layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
		(multilayers) or (multi-layers))) and		
		(polystyrene near4 (layer or layers or		"
		(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		•
1		(multi-layers))))) and (mascara or (eye		
	Ì	adj shadow\$1) or (eye adj liner\$1))	-	· ·
-	3152	mascara or (eye adj shadow\$1) or (eye adj	USPAT;	2000/11/16
		liner\$1)	EPO; JPO;	15:59
			DERWENT	
-	2352747	layer or layers or (multi-layer) or	USPAT;	2001/11/06
		(multilayer) or layered (multi-layered)	EPO; JPO;	14:39
1		or (multilayers) or (multi-layers)	DERWENT	
-	286261	titanium or titania	USPAT;	2000/11/16
			EPO; JPO;	15:58
			DERWENT	,
 - ,	204	(("424/70.7") or ("424/70.9")).CCLS.	USPAT;	2000/11/16
		•	EPO; JPO;	15:34
		*	DERWENT	
-	94	(titanium or titania) and ((("424/70.7")	USPAT;	2000/11/16
	·	or ("424/70.9")).CCLS.)	EPO; JPO;	15:54
			DERWENT	
_	25	((titanium or titania) and ((("424/70.7")	USPAT;	2000/11/16
İ		or ("424/70.9")).CCLS.)) and (layer or	EPO; JPO;	15:54
1		layers or (multi-layer) or (multilayer)	DERWENT	
		or layered (multi-layered) or		
	((multilayers) or (multi-layers)) .	× .	
- '	1488409	powder or powders or particle or	USPAT;	2001/11/06
		particles or particulate	EPO; JPO;	12:48
			DERWENT	
-	24	(((titanium or titania) and	USPAT;	2000/11/16
		((("424/70.7") or ("424/70.9")).CCLS.))	EPO; JPO;	15:55
		and (layer or layers or (multi-layer) or	DERWENT	
		(multilayer) or layered (multi-layered)		
	,	or (multilayers) or (multi-layers))) and		' - ' - '
	·	(powder or powders or particle or		8
		particles or particulate)	Henra.	2000/11/16
-	20	tokubo-k\$.in.	USPAT;	2000/11/16
			EPO; JPO;	15:50
1			DERWENT	2000/11/16
<u> </u>	531	(titanium or titania) and (mascara or	USPAT;	2000/11/16 15:54
		(eye adj shadow\$1) or (eye adj liner\$1))	EPO; JPO;	13.34
	1		DERWENT	2000/11/16
-	144	((titanium or titania) and (mascara or	USPAT; EPO; JPO;	15:55
		(eye adj shadow\$1) or (eye adj liner\$1)	DERWENT	13.33
)) and (layer or layers or (multi-layer)	DEKMENT	,
1		or (multilayer) or layered (multi-layered) or (multilayers) or		
	124	(multi-layers))	USPAT;	2000/11/16
1-	134		EPO; JPO;	15:59
		<pre>(eye adj shadow\$1) or (eye adj liner\$1) ()) and (layer or layers or (multi-layer)</pre>	DERWENT	13.33
			DELMEIAT	,
		or (multilayer) or layered		
		<pre>(multi-layered) or (multilayers) or (multi-layers))) and (powder or powders</pre>		. 1
		or particle or particles or particulate		
	2152	mascara or (eye adj shadow\$1) or (eye adj	USPAT;	2000/11/17
_	3152		EPO; JPO;	15:14
	Í	liner\$1)	DERWENT	13.17
1	L.	·	DEVARIAT	1 .

	134	(((titanium or titania) and (mascara or	USPAT;	2000/11/16
	9	(eye adj shadow\$1) or (eye adj liner\$1)	EPO; JPO;	16:01
)) and (layer or layers or (multi-layer)	DERWENT	
		or (multilayer) or layered] .
		(multi-layered) or (multilayers) or		
.*	1	(multi-layers))) and (powder or powders]	
		or particle or particles or particulate)	1	
-	317059	silica	USPAT;	2000/11/16
			EPO; JPO;	16:01
			DERWENT	. :
-	244307	silver	USPAT;	2000/11/16
			EPO; JPO;	16:01
		*	DERWENT	
	162375	polystyrene	USPAT;	2000/11/16
	1		EPO; JPO;	16:01
•	· `		DERWENT	
-	99	(silica or silver or polystyrene) and	USPAT;	2001/11/05
		((((titanium or titania) and (mascara or	EPO; JPO;	14:49
		(eye adj shadow\$1) or (eye adj liner\$1)	DERWENT	,
)) and (layer or layers or (multi-layer)		
		or (multilayer) or layered	· · · · ·	
		(multi-layered) or (multilayers) or		
		(multi-layers))) and (powder or powders		
		or particle or particles or particulate))		
	64826	specific adj gravity	USPAT;	2000/11/16
			EPO; JPO;	16:08
	-		DERWENT	
	2260727	resin or resins or (celllulose adj	USPAT;	2000/11/16
		acetate) or (polyamide or polyamides) or	EPO; JPO;	16:20
		epoxy or polyester or polyesters or	DERWENT	'
		melaminer or polyurethane or		
*		polyurethanes or silicone or acrylic or	9	
		methacrylic or styrene or ethylene or		,
0		propylene		0000455455
	. 93	((silica or silver or polystyrene) and	USPAT;	2000/11/16
		((((titanium or titania) and (mascara or	EPO; JPO;	17:38
A		(eye adj shadow\$1) or (eye adj liner\$1)	DERWENT	,
)) and (layer or layers or (multi-layer)		
		or (multilayer) or layered		
,	ĺ	(multi-layered) or (multilayers) or		
		(multi-layers))) and (powder or powders		
		or particle or particles or		
		particulate))) and (resin or resins or		
		(celllulose adj acetate) or (polyamide or		1
	₹. '	polyamides) or epoxy or polyester or		
		polyesters or melaminer or polyurethane		
	. '	or polyurethanes or silicone or acrylic	,	*
		or methacrylic or styrene or ethylene or	1.	
		propylene)		
	. 11	(specific adj gravity) and (((silica or	USPAT;	2000/11/16
	* *	silver or polystyrene) and ((((titanium	EPO; JPO;	17:29
		or titania) and (mascara or (eye adj	DERWENT ·	
		shadow\$1) or (eye adj liner\$1))) and		
	,	(layer or layers or (multi-layer) or	S. C.	
	•	(multilayer) or layered (multi-layered)		
		or (multilayers) or (multi-layers))) and		· · · · · · · · · · · · · · · · · · ·
		(powder or powders or particle or		
	'	particles or particulate))) and (resin or		
		resins or (celllulose adj acetate) or		
	İ	(polyamide or polyamides) or epoxy or	•	
	• "	polyester or polyesters or melaminer or		*
		polyurethane or polyurethanes or silicone		,
		or acrylic or methacrylic or styrene or	,	
	.	ethylene or propylene))		
	3	("4098758").PN.	USPAT;	2000/11/16
,		* · · · · · · · · · · · · · · · · · · ·	EPO; JPO;	17:29
			DERWENT	

	-				
-		82	(((silica or silver or polystyrene)	USPAT;	2000/11/16
		Ì	and ((((titanium or titania) and (mascara	EPO; JPO;	17:38
			or (eye adj shadow\$1) or (eye adj	DERWENT	•
			liner\$1))) and (layer or layers or		* 1
			(multi-layer) or (multilayer) or layered		
			(multi-layered) or (multilayers) or		
			(multi-layers))) and (powder or powders		7.7
ŀ			or particle or particles or		
			particulate))) and (resin or resins or	,	
			(celllulose adj acetate) or (polyamide or		
			polyamides) or epoxy or polyester or		
		i i	polyesters or melaminer or polyurethane		
			or polyurethanes or silicone or acrylic		
			or methacrylic or styrene or ethylene or		•
			propylene)) not ((specific adj gravity)		
-		ļ	and (((silica or silver or polystyrene	0	
1	٠.) and ((((titanium or titania) and.		
			(mascara or (eye adj shadow\$1) or (eye		
			(mascara or (eye ad) shadows1) or (eye		
			adj liner\$1))) and (layer or layers or		-
			(multi-layer) or (multilayer) or layered		
			(multi-layered) or (multilayers) or	,	
			(multi-layers))) and (powder or powders		
1			or particle or particles or		
			particulate))) and (resin or resins or		
			(celllulose adj acetate) or (polyamide or		
			polyamides) or epoxy or polyester or		
1			polyesters or melaminer or polyurethane	· .	
	20		or polyurethanes or silicone or acrylic .		
			or methacrylic or styrene or ethylene or	- 33 -	
1			propylene)))		
_		97153	refractive adj index	USPAT;	2000/11/16
				EPO; JPO;	17:39
r			* v,	EPO; JPO; DERWENT	17:39
_		13	((((silica or silver or polystyrene)		17:39 2000/11/17
_			* v,	DERWENT	
_			((((silica or silver or polystyrene)	DERWENT USPAT;	2000/11/17
-			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara	DERWENT USPAT; EPO; JPO;	2000/11/17
-			<pre>(((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or</pre>	DERWENT USPAT; EPO; JPO;	2000/11/17
-			<pre>(((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered</pre>	DERWENT USPAT; EPO; JPO;	2000/11/17
-			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or	DERWENT USPAT; EPO; JPO;	2000/11/17
-			<pre>(((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders</pre>	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or	DERWENT USPAT; EPO; JPO;	2000/11/17
-			<pre>((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or</pre>	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic	DERWENT USPAT; EPO; JPO;	2000/11/.17
	. 0		((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or	DERWENT USPAT; EPO; JPO;	2000/11/17
_			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity)	DERWENT USPAT; EPO; JPO;	2000/11/.17
_			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene	DERWENT USPAT; EPO; JPO;	2000/11/17
	· .		((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and	DERWENT USPAT; EPO; JPO;	2000/11/.17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye	DERWENT USPAT; EPO; JPO;	2000/11/.17
_			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layered) or (multilayers) or or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or	DERWENT USPAT; EPO; JPO;	2000/11/.17
_			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layered) or (multilayers) or or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layered	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayers) or layered (multi-layered) or (multilayers)	DERWENT USPAT; EPO; JPO;	2000/11/17
_			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayers) or (multi-layers))) and (powder or powders	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayers) or layered (multi-layered) or (multilayers) or powders or particle or particles	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (or particle or particles or particulate))) and (resin or resins or	DERWENT USPAT; EPO; JPO;	2000/11/17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or	DERWENT USPAT; EPO; JPO;	2000/11/.17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers)) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or	DERWENT USPAT; EPO; JPO;	2000/11/.17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or or (multi-layers)) and (powder or powders or particle or particles or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane	DERWENT USPAT; EPO; JPO;	2000/11/.17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or or (multi-layers))) and (powder or powders or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes	DERWENT USPAT; EPO; JPO;	2000/11/.17
			((((silica or silver or polystyrene) and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers))) and (powder or powders or particle or particles or particulate))) and (resin or resins or (celllulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane or polyurethanes or silicone or acrylic or methacrylic or styrene or ethylene or propylene)) not ((specific adj gravity) and (((silica or silver or polystyrene)) and (((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj liner\$1))) and (layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or or (multi-layers)) and (powder or powders or particle or particles or particles or particulate))) and (resin or resins or (cellulose adj acetate) or (polyamide or polyamides) or epoxy or polyester or polyesters or melaminer or polyurethane	DERWENT USPAT; EPO; JPO;	2000/11/.17

		1////	tte Dam -	2000/11/17
-	13		USPAT; EPO; JPO;	2000/11/17
		and ((((titanium or titania) and (mascara or (eye adj shadow\$1) or (eye adj	DERWENT	13.13
		liner\$1))) and (layer or layers or	DEKADIAT	
1		(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		·
		(multi-layers))) and (powder or powders		
		or particle or particles or		
		particulate))) and (resin or resins or		
		(cellulose adj acetate) or (polyamide or		
		polyamides) or epoxy or polyester or	1	
		polyesters or melaminer or polyurethane		
		or polyurethanes or silicone or acrylic		
		or methacrylic or styrene or ethylene or		
		propylene)) not ((specific adj gravity)		
		and (((silica or silver or polystyrene		
	•) and ((((titanium or titania) and		
		(mascara or (eye adj shadow\$1) or (eye		
		adj liner\$1))) and (layer or layers or		
		(multi-layer) or (multilayer) or layered		
		(multi-layered) or (multilayers) or		
		(multi-layers))) and (powder or powders		
		or particle or particles or		• ()-
		particulate))) and (resin or resins or		
	. 14	(celllulose adj acetate) or (polyamide or		
		polyamides) or epoxy or polyester or		8
		polyesters or melaminer or polyurethane		*
	*	or polyurethanes or silicone or acrylic		
		or methacrylic or styrene or ethylene or	•	
		propylene)))) and (refractive adj index)	WCD3 m	2000/11/17
-	4	("3767443").PN.	USPAT;	2000/11/17
			EPO; JPO;	15:13
	3150	magana an Java adi shadavelly an Java adi	DERWENT USPAT;	2000/11/17
_	3152		EPO; JPO;	15:15
		liner\$1)	DERWENT	13.13
	1	(("3767443").PN.) and (mascara or (eye	USPAT;	2000/11/17
-	1	adj shadow\$1) or (eye adj liner\$1)	EPO; JPO;	15:15
	3	adj Shadowyi) oi (eye adj iineivi)	DERWENT	13.10
_	4783	(("424/401") or ("424/70.1") or	USPAT;	2001/11/05
	1,03	("424/70.6") or ("424/70.7") or	US-PGPUB;	15:11
İ		("424/63") or ("424/64")).CCLS.	EPO; JPO;	,
		(121/00 / 12 (121/01 // 121	DERWENT;	
			IBM TDB	
	5035	mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05
		eyelash\$2 or eye\$1lash\$2	US-PGPUB;	14:57
	0.		EPO; JPO;	
!			DERWENT;	
			IBM TDB	l ·
-	294737	titanium	USPAT;	2001/11/05
			EPO; JPO;	14:56
	,		DERWENT	
- '	567055	silver or silica	USPAT;	2001/11/05
			EPO; JPO;	15:20
- 0.0			DERWENT	2001 /11 /25
-	308541	titanium or titania	USPAT;	2001/11/05
			EPO; JPO;	15:19
	170000		DERWENT	2001/11/05
_	170999	polystyrene	USPAT; EPO; JPO;	2001/11/05 14:56
			DERWENT	17.50
_	68995	mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05
-	00993	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:07
		or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;	
		lip\$1stick\$1 or nail\$1	DERWENT;	
		TIPYIDOIONYI OI HAIIYI	IBM TDB	
l <u> </u>	289098	magnesium	USPAT;	2001/11/05
	203030		US-PGPUB;	15:00
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
		<u> </u>		

-		1599385	powder or powders or particle or	USPAT;	2001/11/05	
	,		particles or granule or granules	US-PGPUB;	15:09	
				EPO; JPO;		
				DERWENT;		
				IBM TDB		
-		2513445	resin or (cellulose acetate) or	USPAT;	2001/11/06	i
			polyamide\$1 or polyester\$1 or	US-PGPUB;	14:32	
			polyurethane or (vinyl adj acetate) or	EPO; JPO;		
			(vinylacetate) or vinyl\$1acetate or	DERWENT;	1	
			silicone or methacrylic or styrene or	IBM TDB		
		ì	ethylene or propylene or pearlite or talc			
			or bentonite or kaolin	6		
_		185744	(powder or powders or particle or	USPAT;	2001/11/05	ļ
1			particles or granule or granules) near5	US-PGPUB;	15:06	
1		-	(resin or (cellulose acetate) or	EPO; JPO;		
			polyamide\$1 or polyester\$1 or	DERWENT;	l .	
			polyurethane or (vinyl adj acetate) or	IBM TDB	· .	
			(vinylacetate) or vinyl\$lacetate or	12.1 122		
			silicone or methacrylic or styrene or	, .	- :	1
1			ethylene or propylene or pearlite or talc			
			or bentonite or kaolin)	*		
		396647	(powder or powders or particle or	USPAT;	2001/11/05	
1 -		35004/	particles or granule or granules) same		15:06	
*				US-PGPUB;	13.00	
'			(resin or (cellulose acetate) or	EPO; JPO;		
			polyamide\$1 or polyester\$1 or	DERWENT;		-
ľ			polyurethane or (vinyl adj acetate) or	IBM TDB		
		ļ	(vinylacetate) or vinyl\$1acetate or	. 3		.
		Í	silicone or methacrylic or styrene or	. 0		
			ethylene or propylene or pearlite or talc			.
		ĺ	or bentonite or kaolin)			
-		163152	mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05	
İ			eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:08]
	•		or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;	•	, ,
0.0			lip\$1stick\$1 or nail\$1 or cosmetic or	DERWENT;		
.			cosmetics	IBM TDB		
-		69156 ⁻	mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05	ŀ
	-		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:38	· .
	:		or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		[
		-	lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;		-
			liner\$1)	IBM TDB	,	
	•	163192	mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05	İ
ļ	7		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:09	
		·	or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		
			lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;	·	
1			liner\$1) cosmetic or cosmetics	IBM TDB		ļ
_		40504	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05	ŀ
			eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:09	1
		,	or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		-80
			lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;		
	<u>,</u> ,		liner\$1)).ti,ab,clm.	IBM TDB		
_	•	110417	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/05	
			eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	15:09	
			or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		
		}	lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;		l
		* · ·	liner\$1), cosmetic or	IBM TDB		
			cosmetics).ti,ab,clm.			
l _		396647	(powder or powders or particle or	USPAT;	2001/11/05	1
-		39004/	particles or granule or granules) same		15:25	
				US-PGPUB;	13.43	. 0
			(resin or (cellulose acetate) or	EPO; JPO;		
			polyamide\$1 or polyester\$1 or	DERWENT;		.
			polyurethane or (vinyl adj acetate) or	IBM TDB		.
			(vinylacetate) or vinyl\$1acetate or			
			silicone or methacrylic or styrene or	9		
	* •		ethylene or propylene or pearlite or talc	;		
			or bentonite or kaolin)	, 1 · 1		

_	216711	(powder or powders or particle or	USPAT;	2001/11/05
		particles or granule or granules) near7	US-PGPUB;	15:17
		(resin or (cellulose acetate) or	EPO; JPO;	
		polyamide\$1 or polyester\$1 or	DERWENT;	
		polyurethane or (vinyl adj acetate) or	IBM TDB	
		(vinylacetate) or vinyl\$lacetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
	*	or bentonite or kaolin)		
. 1	4783	(("424/401") or ("424/70.1") or	USPAT;	2001/11/06
-	4703	("424/70.6") or ("424/70.7") or	US-PGPUB;	14:43
	*	("424/63") or ("424/64")).CCLS.	EPO; JPO;	111.15
		(424/63) OI (424/64)).CCLS.	DERWENT;	
			IBM TDB	
				2001/11/05
	308541	titanium or titania	USPAT;	2001/11/05
			EPO; JPO;	15:20
			DERWENT	
-	567055	silver or silica	USPAT;	2001/11/05
		•	EPO; JPO;	15:23
	*		DERWENT	
· -	242852	(powder or powders or particle or	USPAT;	2001/11/05
		particles or granule or granules) same	US-PGPUB;	15:26
	·	(resin or (cellulose acetate) or	EPO; JPO;	
· 🔍	4	polyamide\$1 or polyester\$1 or	DERWENT;	, y
		polyurethane or (vinyl adj acetate) or	IBM TDB	
		(vinylacetate) or vinyl\$lacetate or		**
· ·		silicone or methacrylic or styrene or	1	
		ethylene or propylene or pearlite or talc		- 30
·		or bentonite or kaolin).ti,ab,clm.		
	3685	(((mascara or eyebrow\$1 or (eye\$1brow\$1)	USPAT;	2001/11/05
		or eyelash\$2 or eye\$1lash\$2 or	US-PGPUB;	15:31
		eyeshadow\$1 or eye\$1shadow\$1 or	EPO; JPO;	
-		lipstick\$1 or lip\$1stick\$1 or nail\$1 or	DERWENT;	
		(eve adj liner\$1) cosmetic or	IBM TDB	
		cosmetics).ti,ab,clm.) or ((("424/401")		
		or ("424/70.1") or ("424/70.6") or		
*	*	("424/70.7") or ("424/63") or		
	,	("424/64")).CCLS.)) and ((powder or		* **
		("424/64)).CCLS.)) and ((powder or		
		powders or particle or particles or		
		granule or granules) same (resin or		1
'	*	(cellulose acetate) or polyamide\$1 or		**
'		polyester\$1 or polyurethane or (vinyl adj		
		acetate) or (vinylacetate) or	1	
		vinyl\$1acetate or silicone or methacrylic		. 1
		or styrene or ethylene or propylene or		
		pearlite or talc or bentonite or		
·		kaolin).ti,ab,clm.)		<u> </u>
		Land to the seco		

	164	///titanium or titania) or /cilvor or	USPAT;	2001/11/06
-	164	(((titanium or titania) or (silver or silica) or iron or nickel or chromium or	EPO; JPO;	14:41
		aluminum or silicon or calcium or	DERWENT	
	1	magnesium or barium or zinc or cadmium)		
		same (layer or layers or (multi-layer) or		,
		(multilayer) or layered or		
		(multi-layered) or (multilayers) or		N.
		(multi-layers))) and ((((mascara or		
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		· / · · · ·
1		or eye\$1lash\$2 or eyeshadow\$1 or		•
		eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or		
•		cosmetics).ti,ab,clm.) or ((("424/401")		(X)
		or ("424/70.1") or ("424/70.6") or	,	
	•	("424/70.7") or ("424/63") or		
*		("424/64")).CCLS.)) and ((powder or		0
		powders or particle or particles or		
		granule or granules) same (resin or		
		(cellulose acetate) or polyamide\$1 or	٠,	
		polyester\$1 or polyurethane or (vinyl adj		*
		acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic		*1
		or styrene or ethylene or propylene or		
	,	pearlite or talc or bentonite or		
		kaolin).ti,ab,clm.))		,
-	4509	((mascara or eyebrow\$1 or (eye\$1brow\$1)	USPAT;	2001/11/06
		or eyelash\$2 or eye\$1lash\$2 or	US-PGPUB;	12:36
	İ	eyeshadow\$1 or eye\$1shadow\$1 or	EPO; JPO;	
- Sic		lipstick\$1 or lip\$1stick\$1 or nail\$1 or	DERWENT;	* * *
		(eye adj liner\$1) cosmetic or cosmetics)	IBM TDB	
		or ((("424/401") or ("424/70.1") or		÷ .
'		("424/70.6") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and		
		((powder or powders or particle or	•	
·		particles or granule or granules) same		
		(resin or (cellulose acetate) or		*
,		polyamide\$1 or polyester\$1 or	,	
		polyurethane or (vinyl adj acetate) or		9, 1
	'	(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
	327	or bentonite or kaolin).ti,ab,clm.) (((titanium or titania) or (silver or	USPAT;	2001/11/05
-	327	silica or iron or nickel or chromium or	EPO; JPO;	15:32
		aluminum or silicon or calcium or	DERWENT	
		magnesium or barium or zinc or cadmium)	. "	
		same (layer or layers or (multi-layer) or	. +	
		(multilayer) or layered or		, ,
		(multi-layered) or (multilayers) or		
1	*	(multi-layers))) and (((mascara or		
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or		
		eve\$1shadow\$1 or lipstick\$1 or		
1		lip\$1stick\$1 or nail\$1 or (eye adj		
.		liner\$1) cosmetic or cosmetics) or		
		((("424/401") or ("424/70.1") or		
*	. 0	("424/70.6") or ("424/70.7") or		
		("424/63") or ("424/64")).CCLS.)) and		
	*	((powder or powders or particle or		
		particles or granule or granules) same		,
		(resin or (cellulose acetate) or		
	w.	polyamide\$1 or polyester\$1 or		,
		polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$lacetate or		
	-	silicone or methacrylic or styrene or		'
1		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin).ti,ab,clm.))		
_	110818	refractive adj index	USPAT;	2001/11/06
			EPO; JPO;	12:33
			DERWENT	

_	41	(refractive adj index) and (((titanium	USPAT;	2001/11/05
	1	or titania) or (silver or silica) or	US-PGPUB;	15:33
		iron or nickel or chromium or aluminum or	EPO; JPO;	10,00
			DERWENT;	İ
		silicon or calcium or magnesium or barium	IBM TDB	
		or zinc or cadmium) same (layer or layers	IDM IDD	
		or (multi-layer) or (multilayer) or		
		layered or (multi-layered) or		
		(multilayers) or (multi-layers))) and		
		(((mascara or eyebrow\$1 or (eye\$1brow\$1)		
		or evelash\$2 or eye\$1lash\$2 or		
		eyeshadow\$1 or eye\$1shadow\$1 or		
		lipstick\$1 or lip\$1stick\$1 or nail\$1 or		
		(eye adj liner\$1) cosmetic or cosmetics)	· ·	***
	Ţ.	or ((("424/401") or ("424/70.1") or		
			- 0	
•	}	("424/70.6") or ("424/70.7") or		,
	1	("424/63") or ("424/64")).CCLS.)) and	ž.	0)
		((powder or powders or particle or	÷	
		particles or granule or granules) same	! .	,
		(resin or (cellulose acetate) or		
	-	polyamide\$1 or polyester\$1 or	j '	• .
	* "	polyurethane or (vinyl adj acetate) or		l
		(vinylacetate) or vinyl\$lacetate or	·	
		silicone or methacrylic or styrene or		180
	İ	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin).ti,ab,clm.)))		
	18	(refractive adj index) and (((titanium	USPAT;	2001/11/05
			EPO; JPO;	15:33
		or titania) or (silver or silica) or		15:33
		iron or nickel or chromium or aluminum or	DERWENT	
١,	1	1		
	3.	silicon or calcium or magnesium or barium		
	4	or zinc or cadmium) same (layer or layers		
		_ ·		
٥.	4	or zinc or cadmium) same (layer or layers		
e •	4,	or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or		
e ·	4,	or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and		
8 :		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1)	in and the second	
8		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or	=	
e •		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lipstick\$1 or lip\$1stick\$1 or nail\$1 or	- 1 - 12 - 12	
F		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lip\$tick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lip\$tick\$1 or lip\$istick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or ((("424/401")		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.1") or ("424/70.6") or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eye\$nadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/70.6") or ("424/70.7") or ("424/63") or	, = = 	
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eye\$nadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/70.6") or ("424/70.7") or ("424/63") or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$tick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or		
*		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eye\$1ash\$2 or eye\$1ash\$2 or eye\$1ash\$2 or eye\$1ash\$2 or lip\$tick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.1") or ("424/70.6") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or		
•		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj		
*		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and ((((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$tick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adjacetate) or (vinylacetate)		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and (((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or methacrylic		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and (((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or		
		or zinc or cadmium) same (layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))) and (((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or lip\$1stick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.) or (("424/401") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.)) and ((powder or powders or particle or particles or granule or granules) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or methacrylic		

		1.7.6	HCDAM.	2001/11/05
-	23	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	USPAT;	2001/11/05
		or titania) or (silver or silica) or	EPO; JPO;	15:33
		iron or nickel or chromium or aluminum or	DERWENT	
		silicon or calcium or magnesium or barium		
		or zinc or cadmium) same (layer or layers		
		or (multi-layer) or (multilayer) or		
,		layered or (multi-layered) or		
		(multilayers) or (multi-layers))) and		
		(((mascara or eyebrow\$1 or (eye\$1brow\$1)		
		or eyelash\$2 or eye\$1lash\$2 or		
		eyeshadow\$1 or eye\$1shadow\$1 or		
		lipstick\$1 or lip\$1stick\$1 or nail\$1 or		
		(eye adj liner\$1) cosmetic or cosmetics)		
		or ((("424/401") or ("424/70.1") or		
		("424/70.6") or ("424/70.7") or		
		("424/63") or ("424/64")).CCLS.)) and		
	l	((powder or powders or particle or		
		particles or granule or granules) same		
		(resin or (cellulose acetate) or		
		polyamide\$1 or polyester\$1 or		i
		polyurethane or (vinyl adj acetate) or	:	
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or .		
		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin).ti,ab,clm.))))		
		not ((refractive adj index) and		
		((((titanium or titania) or (silver or		
		silica) or iron or nickel or chromium or		
		aluminum or silicon or calcium or		
		magnesium or barium or zinc or cadmium)		
		same (layer or layers or (multi-layer) or		9
		(multilayer) or layered or		*
		(multi-layered) or (multilayers) or		
		(multi-layers))) and ((((mascara or		
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		
		or eye\$11ash\$2 or eyeshadow\$1 or		
		eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		
	*	cosmetics).ti,ab,clm.) or ((("424/401")	,	
		or ("424/70.1") or ("424/70.6") or		
		("424/70.7") or ("424/63") or		
		("424/64")).CCLS.)) and ((powder or		
		powders or particle or particles or		. '!
		granule or granules) same (resin or		
		(cellulose acetate) or polyamide\$1 or		
×)(×	1	polyester\$1 or polyurethane or (vinyl adj		
		acetate) or (vinylacetate) or		
		vinyl\$lacetate or silicone or methacrylic		*
		or styrene or ethylene or propylene or		
	1.	pearlite or talc or bentonite or		
	1	kaolin).ti,ab,clm.))))		
l _	2	habiling.el,ab,elm.,,,,, jp-02216044-\$.did.	USPAT;	2001/11/05
-	2) Db 05510044 A.MTM.	EPO; JPO;	16:17
	I		DERWENT	
_	2	jp-60169412-\$.did.	USPAT;	2001/11/05
_	2	Jp-00103412-9.u1u.	EPO; JPO;	16:17
ĺ			DERWENT	= 0 - 1 /
		jp-03120351-\$.did.	USPAT;	2001/11/05
-	2	Jp-03120331-4.ara.	EPO; JPO;	16:19
			DERWENT	
	_	04169163 ¢ did	USPAT;	2001/11/05
-	2	jp-04168163-\$.did.	EPO; JPO;	16:19
1		·		10.19
	_	. 442002 0 444	DERWENT	2001/11/05
-	0	jp-443083-\$.did.	USPAT;	16:21
			EPO; JPO;	10.41
	_	44002002 4 444	DERWENT	2001/11/05
-	0	jp-44003083-\$.did.	USPAT;	2001/11/05
			EPO; JPO;	16:21
1			DERWENT	

-		2	jp-58177911-\$.did.	USPAT;	2001/11/05	
				EPO; JPO;	16:21	
-		,		DERWENT	1	
-		2	jp-01158077-\$.did.	USPAT;	2001/11/05	
		-	·	EPO; JPO;	16:22	
Ì				DERWENT		
-	:	10	jp-02216044-\$.did. or jp-60169412-\$.did.	USPAT;	2001/11/05	
			or jp-03120351-\$.did. or	EPO; JPO;	16:25	
			jp-033120351-\$.did. or	DERWENT		
	.		jp-58177911-\$.did. or jp-01158077-\$.did.			
-		3	("4623396").PN.	USPAT;	2001/11/05	
			· ·	US-PGPUB;	16:26	
				EPO; JPO;		
	:			DERWENT;	1	
			· · · · · · · · · · · · · · · · · · ·	IBM TDB		
_		2724	(high adj refractive adj index) same (low	USPAT;	2001/11/06	
			adj refractive adj index) same (layer or	EPO; JPO;	12:37	
			layers or (multi-layer) or (multilayer)	DERWENT		
			or layered or (multi-layered) or			
1			(multilayers) or (multi-layers))		1	
1_		163536	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/06	
-		103336	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	14:44	
			or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		
			lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;		
			liner\$1) cosmetic or cosmetics)	IBM TDB		
		2050	(refractive adj index) near9 (different	USPAT;	2001/11/07	-
-		3950				
			or differing or differ) near9 (layer or	EPO; JPO;	15:25	i
			layers or (multi-layer) or (multilayer)	DERWENT		
			or layered or (multi-layered) or			
			(multilayers) or (multi-layers))	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2001/11/26	
-		110669	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/06	
			eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	14:44	
		•	or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;		
			lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;		
			liner\$1) cosmetic or	IBM TDB		
			cosmetics).ti,ab,clm.			
-		20	(((high adj refractive adj index) same	USPAT;	2001/11/07	
1			(low adj refractive adj index) same	US-PGPUB;	17:23	
			(layer or layers or (multi-layer) or	EPO; JPO;	9	ļ
			(multilayer) or layered or	DERWENT;		.
			(multi-layered) or (multilayers) or	IBM TDB	1	
			(multi-layers))) or ((refractive adj			
	,		index) near9 (different or differing or		*	
		*	differ) near9 (layer or layers or			
			(multi-layer) or (multilayer) or layered			
			or (multi-layered) or (multilayers) or	'		
			(multi-layers)))) and ((mascara or			
			eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2			
			or eye\$11ash\$2 or eyeshadow\$1 or			[
			eye\$1shadow\$1 or lipstick\$1 or			
			lip\$1stick\$1 or nail\$1 or (eye adj			0
	1		liner\$1) cosmetic or			
	,	•	cosmetics).ti,ab,clm.)			,
l _		11	(("5607504") or ("6132504") or	USPAT;	2001/11/06	
			("6132873") or ("6156115") or	US-PGPUB;	12:47	
			("6280520")).PN.	EPO; JPO;		
			(0200020)).FN.	DERWENT;		ļ
						.
				IBM TDB		

		8		
<u> </u>	5	(powder or powders or particle or	USPAT;	2001/11/07
- 1		particles or particulate or particulates)	EPO; JPO;	17:24
		and ((((high adj refractive adj index)	DERWENT	•
•		same (low adj refractive adj index) same		=
		(layer or layers or (multi-layer) or	ł	
		(multilayer) or layered or		
		(multi-layered) or (multilayers) or		
, '		(multi-layers))) or ((refractive adj		
·.	•	index) near9 (different or differing or		
		differ) near9 (layer or layers or		
		(multi-layer) or (multilayer) or layered		
		or (multi-layered) or (multilayers) or		
		(multi-layers)))) and ((mascara or		
				α.
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		×
		or eye\$1lash\$2 or eyeshadow\$1 or		
		eye\$1shadow\$1 or lipstick\$1 or	·	
		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		
		cosmetics).ti,ab,clm.)) and ((("5607504")	*	
i		or ("6132504") or ("6132873") or		
•		("6156115") or ("6280520")).PN.)		2001 (21 (06
-	2	wo-9812266-\$.did.	USPAT;	2001/11/06
2			EPO; JPO;	12:59
			DERWENT	
<u></u>	, 1	fr-2352867-\$.did.	USPAT;	2001/11/06
			EPO; JPO;	12:59
		. *	DERWENT	
_	2516981	resin or (cellulose acetate) or	USPAT;	2001/11/06
	,	polyamide\$1 or polyester\$1 or	US-PGPUB;	14:34
		polyurethane or (vinyl adj acetate) or	EPO; JPO;	1
		(vinylacetate) or vinyl\$lacetate or	DERWENT;	1
		silicone or methacrylic or styrene or	IBM TDB	
		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin		.*
_	5384	((powder or powders or particle or	USPAT;	2001/11/07
	0001	particles or particulate or particulates)	EPO; JPO;	10:08
		same (resin or (cellulose acetate) or	DERWENT	
·		polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
i		(vinylacetate) or vinyl\$lacetate or	•	
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		i i
		or bentonite or kaolin)) and ((mascara		
n.,	-	or eyebrow\$1 or (eye\$1brow\$1) or	1,	
,		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		ľ
		liner\$1) cosmetic or cosmetics).ti,ab,clm.)		

				0001/11/05
-	1063	((layer or layers or (multi-layer) or	USPAT;	2001/11/06
		(multilayer) or layered (multi-layered)	EPO; JPO;	14:45
		or (multilayers) or (multi-layers) or	DERWENT	
,		coat or coating or coated or coats or	·	
•	0	coatings) same ((titanium or titania) or		· · · · · · · · · · · · · · · · · · ·
		(silver or silica) or iron or nickel or		[,
		chromium or aluminum or silicon or		•!
	·	calcium or magnesium or barium or zinc or		
		cadmium)) and (((powder or powders or		·
		particle or particles or particulate or		
		particulates) same (resin or (cellulose		
		acetate) or polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$lacetate or		
		silicone or methacrylic or styrene or		
	i	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		
		or eyebrow\$1 or (eye\$1brow\$1) or		
0	1	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		0
		liner\$1) cosmetic or		
		cosmetics).ti,ab,clm.))		*
	4707	(("424/401") or ("424/70.1") or	USPAT;	2001/11/07
*	4797		US-PGPUB;	09:28
		("424/70.6") or ("424/70.7") or		05.20
		("424/63") or ("424/64")).CCLS.	EPO; JPO;	, e
1	1		DERWENT;	
			IBM TDB	2001/11/06
-	362	(((layer or layers or (multi-layer) or	USPAT;	2001/11/06 14:46
	· .	(multilayer) or layered (multi-layered)	US-PGPUB;	14:40
,		or (multilayers) or (multi-layers) or	EPO; JPO;	
	1	coat or coating or coated or coats or	DERWENT;	()**
*		coatings) same ((titanium or titania) or	IBM TDB	, ,
		(silver or silica) or iron or nickel or		
1	-	chromium or aluminum or silicon or	l .	38. Y
-		calcium or magnesium or barium or zinc or		
' '		cadmium)) and (((powder or powders or		
	7	particle or particles or particulate or		8
	ŀ	particulates) same (resin or (cellulose		9
	1	acetate) or polyamide\$1 or polyester\$1 or		
	. *	polyurethane or (vinyl adj acetate) or	1	
	* .	(vinylacetate) or vinyl\$lacetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		*
	-1-	or eyebrow\$1 or (eye\$1brow\$1) or	181	
	1	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		- P
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		
		Timethi Cosmetic of		*
		cosmetics).ti,ab,clm.))) and	,	
		((("424/401") or ("424/70.1") or		. 17
	l	("424/70.6") or ("424/70.7") or		
		("424/63") or ("424/64")).CCLS.)	HCDATE:	2001/11/06
<u> </u>	40598	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	
	1	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	14:44
	 .	or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;	
		lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;	
ļ	1.	liner\$1)).ti,ab,clm.	IBM TDB	0001/11/05
-	69312	(mascara or eyebrow\$1 or (eye\$1brow\$1) or	USPAT;	2001/11/06
	1	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	US-PGPUB;	14:44
	- 12	or eye\$1shadow\$1 or lipstick\$1 or	EPO; JPO;	*
		lip\$1stick\$1 or nail\$1 or (eye adj	DERWENT;	'
		liner\$1))	IBM TDB	
ON .	<u> </u>	1		

				1
-	125	((((layer or layers or (multi-layer) or	USPAT;	2001/11/06
1		(multilayer) or layered (multi-layered)	US-PGPUB;	14:44
		or (multilayers) or (multi-layers) or	EPO; JPO;	
	1	coat or coating or coated or coats or	DERWENT;	
	1	coatings) same ((titanium or titania) or	IBM TDB	
		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or		
1		calcium or magnesium or barium or zinc or		*
		cadmium)) and (((powder or powders or		
		particle or particles or particulate or	100	·
		particulates) same (resin or (cellulose		
				,
		acetate) or polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
	İ	(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc	1	
		or bentonite or kaolin)) and ((mascara	-	·
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		_*
	*	or eye\$1shadow\$1 or lipstick\$1 or		
1 '		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		
		cosmetics).ti,ab,clm.))) and		×
	•	((("424/401") or ("424/70.1") or		
		(((424/401) of (424/70.1) of ("424/70.7") or		
		("424/63") or ("424/64")).CCLS.)) and		ľ
				· ·
•0		((mascara or eyebrow\$1 or (eye\$1brow\$1)		*
	9	or eyelash\$2 or eye\$1lash\$2 or	Ì	* .
		eyeshadow\$1 or eye\$1shadow\$1 or		
		lipstick\$1 or lip\$1stick\$1 or nail\$1 or		
		(eye adj liner\$1)).ti,ab,clm.)		
-	3257	((powder or powders or particle or	USPAT;	2001/11/06
		particles or particulate or particulates)	EPO; JPO;	14:46
	. 8	same (resin or (cellulose acetate) or	DERWENT :	,
		polyamide\$1 or polyester\$1 or	.00	
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		-
	*	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		*
		or eyebrow\$1 or (eye\$1brow\$1) or		
	• "			
1.		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
	,	or eye\$1shadow\$1 or lipstick\$1 or		· ·
		lip\$1stick\$1 or nail\$1 or (eye adj		
	<u>-</u> .	liner\$1)))		2001/11/25
1	1273	((layer or layers or (multi-layer) or	.USPAT;	2001/11/06
		(multilayer) or layered (multi-layered)	EPO; JPO;	14:47
		or (multilayers) or (multi-layers) or	DERWENT	*
1		coat or coating or coated or coats or		
	1	coatings) same ((titanium or titania) or		• 4
		(silver or silica) or iron or nickel or		*
		chromium or aluminum or silicon or		1
	1	calcium or magnesium or barium or zinc or		
2		cadmium)) and (((powder or powders or	а.	
		particle or particles or particulate or		5
1				
		particulates) same (resin or (cellulose		3.5
		acetate) or polyamide\$1 or polyester\$1 or		
1 .	1	polyurethane or (vinyl adj acetate) or		
1	1,	(vinylacetate) or vinyl\$1acetate or	l [*]	
	1	silicone or methacrylic or styrene or	+	
		ethylene or propylene or pearlite or talc		
	1	or bentonite or kaolin)) and ((mascara		
		or eyebrow\$1 or (eye\$1brow\$1) or		
DR.		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		
	1	I TTD- TO CLOUDE OF HEATTST OF (ele an)		I .
*		liner\$1))))		

-	277	(((layer or layers or (multi-layer) or	USPAT;	2001/11/07
		(multilayer) or layered (multi-layered)	US-PGPUB;	09:25
		or (multilayers) or (multi-layers) or	EPO; JPO;	_
		coat or coating or coated or coats or	DERWENT;	-
		coatings) same ((titanium or titania) or	IBM TDB	
		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or	5 1	
1 1		calcium or magnesium or barium or zinc or		
		cadmium)) and (((powder or powders or .		
		particle or particles or particulate or		
		particulates) same (resin or (cellulose		
-		acetate) or polyamide\$1 or polyester\$1 or		
1		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or	'	
		ethylene or propylene or pearlite or talc		*
		or bentonite or kaolin)) and ((mascara		. *
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$11ash\$2 or eyeshadow\$1		*
		or eye\$1shadow\$1 or lipstick\$1 or	- %	
		lip\$1stick\$1 or nail\$1 or (eye adj	•	
		liner\$1))))) and ((("424/401") or	· .	-
		("424/70.1") or ("424/70.6") or		· ·
		("424/70.7") or ("424/63") or		
		("424/64")).CCLS.)		
	-	(121, 01 / /	L	I

•	· ·		•
- 110	((((layer or layers or (multi-layer) or	USPAT;	2001/11/06 .
. ===	(multilayer) or layered (multi-layered)	US-PGPUB;	14:48
	or (multilayers) or (multi-layers) or	EPO; JPO;	·
•	coat or coating or coated or coats or	DERWENT;	
	coatings) same ((titanium or titania) or	IBM TDB	
	(silver or silica) or iron or nickel or		
	chromium or aluminum or silicon or		
	calcium or magnesium or barium or zinc or		
2.7	cadmium)) and (((powder or powders or		
	particle or particles or particulate or		
	particulates) same (resin or (cellulose	•	
	acetate) or polyamide\$1 or polyester\$1 or		
	polyurethane or (vinyl adj acetate) or		
6	(vinylacetate) or vinyl\$lacetate or		•
	silicone or methacrylic or styrene or		
	ethylene or propylene or pearlite or talc		÷
	or bentonite or kaolin)) and ((mascara		
ŀ	or eyebrow\$1 or (eye\$1brow\$1) or	·.	
_	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
	or eye\$1shadow\$1 or lipstick\$1 or		· ·
1 . 4	lip\$1stick\$1 or nail\$1 or (eye adj	•	
	liner\$1) cosmetic or		
	cosmetics).ti,ab,clm.))) and		4.7
	((("424/401") or ("424/70.1") or		
-1- *	("424/70.6") or ("424/70.7") or	12.0	* . '
	("424/63") or ("424/64")).CCLS.)) not		
	((((layer or layers or (multi-layer) or		1.7
	(multilayer) or layered (multi-layered)		
	or (multilayers) or (multi-layers) or		
4	coat or coating or coated or coats or		
	coatings) same ((titanium or titania) or		
*	(silver or silica) or iron or nickel or		
	chromium or aluminum or silicon or		
	calcium or magnesium or barium or zinc or		
	cadmium)) and (((powder or powders or		
	particle or particles or particulate or		
0 9	particulates) same (resin or (cellulose		
	acetate) or polyamide\$1 or polyester\$1 or		
	polyurethane or (vinyl adj acetate) or		
	(vinylacetate) or vinyl\$1acetate or		
	silicone or methacrylic or styrene or		
.v.	ethylene or propylene or pearlite or talc	- Sc -	* "
	or bentonite or kaolin)) and ((mascara		
	or eyebrow\$1 or (eye\$1brow\$1) or		
	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		4 4
	or eye\$1shadow\$1 or lipstick\$1 or		
	lip\$1stick\$1 or nail\$1 or (eye adj		
- 32	liner\$1))))) and ((("424/401") or		
	("424/70.1") or ("424/70.6") or		
	("424/70.7") or ("424/63") or		4
	("424/64")).CCLS.))		

			I TO DAM	2001/11/06
_	25	((((layer or layers or (multi-layer) or	USPAT;	2001/11/06
	0.0	(multilayer) or layered (multi-layered)	US-PGPUB;	14:48
		or (multilayers) or (multi-layers) or	EPO; JPO;	
		coat or coating or coated or coats or	DERWENT;	
		coatings) same ((titanium or titania) or	IBM TDB	
		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or		
		calcium or magnesium or barium or zinc or		
	-	cadmium)) and (((powder or powders or		
		particle or particles or particulate or		
		particulates) same (resin or (cellulose		
		acetate) or polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$lacetate or		
		silicone or methacrylic or styrene or		
	1 .	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		
	1	or eyebrow\$1 or (eye\$1brow\$1) or		i i
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj	- 1	
		liner\$1))))) and ((("424/401") or .	•	
		("424/70.1") or ("424/70.6") or		-
		("424/70.7") or ("424/63") or		
		("424/64")).CCLS.)) not ((((layer or		
		layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
		(multilayers) or (multi-layers) or coat		
*		or coating or coated or coats or		
		coatings) same ((titanium or titania) or		
		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or		
		calcium or magnesium or barium or zinc or		
		cadmium)) and (((powder or powders or		
		particle or particles or particulate or	•	,
		particulates) same (resin or (cellulose		
		acetate) or polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or	•	
	:			
		(vinylacetate) or vinyl\$lacetate or		·
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj	X	
		liner\$1) cosmetic or	· ·	
		cosmetics).ti,ab,clm.))) and		
		((("424/401") or ("424/70.1") or		
	*	("424/70.6") or ("424/70.7") or		1
	1	("424/62") on ("424/64") \ CCTS \)		1

		207	1///lavan an lavana an /multiplavan an	USPAT;	2001/11/07
-		387	((((layer or layers or (multi-layer) or	US-PGPUB;	09:28
		-	(multilayer) or layered (multi-layered)	1	09.28
			or (multilayers) or (multi-layers) or	EPO; JPO;	
			coat or coating or coated or coats or	DERWENT;	
			coatings) same ((titanium or titania) or	IBM TDB	· .
			(silver or silica) or iron or nickel or		3.4
	,		chromium or aluminum or silicon or		
			calcium or magnesium or barium or zinc or		. *
٠.			cadmium)) and (((powder or powders or		·
			particle or particles or particulate or		
			particulates) same (resin or (cellulose		
			acetate) or polyamide\$1 or polyester\$1 or		
			polyurethane or (vinyl adj acetate) or		
			(vinylacetate) or vinyl\$lacetate or		
			silicone or methacrylic or styrene or		,
			ethylene or propylene or pearlite or talc		•
			or bentonite or kaolin)) and ((mascara		
			or eyebrow\$1 or (eye\$1brow\$1) or		1.0
			eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	,	,
1			or eye\$1shadow\$1 or lipstick\$1 or		in .
			lip\$1stick\$1 or nail\$1 or (eye adj		ļ.
1		,			
			liner\$1))))) and ((("424/401") or	,	
١.	19		("424/70.1") or ("424/70.6") or		
			("424/70.7") or ("424/63") or		
1	.*	,	("424/64")).CCLS.)) or ((((layer or		*
			layers or (multi-layer) or (multilayer)		
			or layered (multi-layered) or		
			(multilayers) or (multi-layers) or coat	13.0	
			or coating or coated or coats or		
ŀ			coatings) same ((titanium or titania) or		
			(silver or silica) or iron or nickel or		
			chromium or aluminum or silicon or	+	
1			calcium or magnesium or barium or zinc or		
			cadmium)) and (((powder or powders or		
· .			particle or particles or particulate or		
			particulates) same (resin or (cellulose		
,			acetate) or polyamide\$1 or polyester\$1 or		
		- ()	polyurethane or (vinyl adj acetate) or		p 4
			(vinylacetate) or vinyl\$lacetate or		
			silicone or methacrylic or styrene or	1	
			ethylene or propylene or pearlite or talc		
			or bentonite or kaolin)) and ((mascara		·
			or eyebrow\$1 or (eye\$1brow\$1) or		,
	,	[eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		* *
			or eye\$1shadow\$1 or lipstick\$1 or		
	,		lip\$1stick\$1 or nail\$1 or (eye adj		
	-20-		liner\$1) cosmetic or		
			cosmetics).ti,ab,clm.))) and		,
	*		((("424/401") or ("424/70.1") or		**
		-	("424/70.6") or ("424/70.7") or		
			("424/63") or ("424/64")).CCLS.))		

	3.6	(Justine add index) and (///layer or	USPAT;	2001/11/07
-	36	(refractive adj index) and ((((layer or	EPO; JPO;	09:36
		layers or (multi-layer) or (multilayer)	DERWENT	09.30
		or layered (multi-layered) or	DERWENT	1
i		(multilayers) or (multi-layers) or coat		
		or coating or coated or coats or		1
. 1		coatings) same ((titanium or titania) or		
		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or		**
		calcium or magnesium or barium or zinc or		
-1		cadmium)) and (((powder or powders or		1
. 1		particle or particles or particulate or	0.	
		particulates) same (resin or (cellulose		
	•	acetate) or polyamide\$1 or polyester\$1 or		
				·
		polyurethane or (vinyl adj acetate) or		
. 0		(vinylacetate) or vinyl\$lacetate or		
	•	silicone or methacrylic or styrene or	140	
>		ethylene or propylene or pearlite or talc	ė.	-34
		or bentonite or kaolin)) and ((mascara		
1		or eyebrow\$1 or (eye\$1brow\$1) or		
	*	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		*
3.		or eye\$1shadow\$1 or lipstick\$1 or	100	
		lip\$1stick\$1 or nail\$1 or (eye adj		
1		liner\$1))))) and ((("424/401") or		
		("424/70.1") or ("424/70.6") or	41	
		("424/70.7") or ("424/63") or		
,	•			,
		("424/64")).CCLS.)) or ((((layer or		
	•	layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
		(multilayers) or (multi-layers) or coat		
		or coating or coated or coats or		
		coatings) same ((titanium or titania) or	,	
	. *	(silver or silica) or iron or nickel or	, *	
		chromium or aluminum or silicon or		
		calcium or magnesium or barium or zinc or		
•		cadmium)) and (((powder or powders or	*	
*		particle or particles or particulate or		
		particulates) same (resin or (cellulose		
		acetate) or polyamide\$1 or polyester\$1 or		
*		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or	1	
!		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
1		or bentonite or kaolin)) and ((mascara		
ļ		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or	.,,	
'		lip\$1stick\$1 or nail\$1 or (eye adj		1
.		liner\$1) cosmetic or		
		cosmetics).ti,ab,clm.))) and		
I		((("424/401") or ("424/70.1") or		
		("424/70.6") or ("424/70.7") or		· ·
l		("424/63") or ("424/64")).CCLS.)))		
- ,	4797	(("424/401") or ("424/70.1") or	USPAT;	2001/11/07
		("424/70.6") or ("424/70.7") or	US-PGPUB;	16:44
		("424/63") or ("424/64")).CCLS.	EPO; JPO;	,
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-	1307	((((layer or layers or (multi-layer) or	USPAT;	2001/11/07
		(multilayer) or layered (multi-layered)	US-PGPUB;	15:16
		or (multilayers) or (multi-layers) or	EPO; JPO;	
		coat or coating or coated or coats or	DERWENT;	
		coatings) same ((titanium or titania) or	IBM TDB	
		(silver or silica) or iron or nickel or	Í	
]		chromium or aluminum or silicon or		
•		calcium or magnesium or barium or zinc or		·
		cadmium)) and (((powder or powders or		
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		particulates) same (resin or (cellulose		=
		acetate) or polyamide\$1 or polyester\$1 or		•
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or	-	
		ethylene or propylene or pearlite or talc	-	
		or bentonite or kaolin)) and ((mascara		
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	'	*
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		0
		liner\$1)))))		
	1093	((((layer or layers or (multi-layer) or	USPAT;	2001/11/07
– .	1093	((((layer of layers of (multi-layer) of (multi-layer) or layered (multi-layered)	US-PGPUB;	09:46
		or (multilayers) or (multi-layers) or	EPO; JPO;	05.40
		coat or coating or coated or coats or	DERWENT;	· ·
		coatings) same ((titanium or titania) or	IBM TDB	*
		(silver or silica) or iron or nickel or	IBM IDB	*
		chromium or aluminum or silicon or		*
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	,	acetate) or polyamide\$1 or polyester\$1 or		*
		polyurethane or (vinyl adj acetate) or	•	100
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		ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		e.
		or eyebrow\$1 or (eye\$1brow\$1) or	8	
-7		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		•
	. *	lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		+ ***
		cosmetics).ti,ab,clm.))))		

	479	(((((layer or layers or (multi-layer) or	USPAT;	2001/11/07
		(multilayer) or layered (multi-layered)	US-PGPUB;	09:46
		or (multilayers) or (multi-layers) or	EPO; JPO;	
		coat or coating or coated or coats or	DERWENT;	
		coatings) same ((titanium or titania) or	IBM TDB	
		(silver or silica) or iron or nickel or	٠.	
		chromium or aluminum or silicon or		
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		cadmium)) and (((powder or powders or		
		particle or particles or particulate or		
	-	particulates) same (resin or (cellulose	9	
		acetate) or polyamide\$1 or polyester\$1 or	,	
•		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
	i	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)) and ((mascara		
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$11ash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
	1.00	lip\$1stick\$1 or nail\$1 or (eye adj		*
		liner\$1))))))) and (((("424/401") or		
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:		("424/64")).CCLS.) or ((((layer or	1	*
	'	layers or (multi-layer) or (multilayer)		
		or layered (multi-layered) or		
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		(silver or silica) or iron or nickel or		
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•		cadmium)) and (((powder or powders or		
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		particulates) same (resin or (cellulose		·
		acetate) or polyamide\$1 or polyester\$1 or		
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		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) cosmetic or		
		cosmetics).ti,ab,clm.))))))		

	35	(refractive adj index) and (((((layer or	USPAT;	2001/11/07
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	·	(multilayers) or (multi-layers) or coat		
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		cadmium)) and (((powder or powders or	,	
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		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$lacetate or		
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		ethylene or propylene or pearlite or talc		, ,
		or bentonite or kaolin)) and ((mascara		
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		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
		or eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		· · ·
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	•	liner\$1))))))) and (((("424/401") or		
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		cadmium)) and (((powder or powders or		
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		(vinylacetate) or vinyl\$lacetate or		
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		silicone or methacrylic or styrene or		
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		or bentonite or kaolin)) and ((mascara		
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-	1313	(((layer or layers or (multi-layer) or	USPAT;	2001/11/07
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4		coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or		
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		coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose		
		coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or		
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_	27	(refractive adj index) and ((("424/401")		10:36
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		layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or		
·		layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
·		layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lipstick\$1		
· e		layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	*	

USPAT; 2001/11/07 ((refractive adj index) and (((((layer EPO; JPO; or layers or (multi-layer) or 09:49 DERWENT (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonité or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lipstick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1)))))))) and (((("424/401") or ("424/70.1") or ("424/70.6") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.) or ((((layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (((powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1 or eye\$1shadow\$1 or lipstick\$1 or lip\$1stick\$1 or nail\$1 or (eye adj liner\$1) cosmetic or cosmetics).ti,ab,clm.))))))) or ((refractive adj index) and (((("424/401") or ("424/70.1") or("424/70.6") or ("424/70.7") or ("424/63") or ("424/64")).CCLS.) and (('((layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings) same ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and (('(powder or powders or particle or particles or particulate or particulates) same (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj adetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin)) and ((mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$11ash\$2 or eyeshadow\$1 1067eye\$i3haddw\$M or lagst2ck\$1 or Search History lip\$1stick\$1 or nail\$1 or (eye adj. C:\APPS\EAST\workspacese092022161wsp

1	_	266161	(powder or powders or particle or	USPAT;	2001/11/07
			particles or particulate or particulates)	EPO; JPO;	10:20
ļ			same (coat or coating or coated or coats	DERWENT	
·			or coatings or overcoat\$3 or		
			over\$1coat\$3)		

	. 30	(((refractive adj index) and (((((layer	USPAT;	2001/11/07
		or layers or (multi-layer) or	EPO; JPO;	10:12
	-	(multilayer) or layered (multi-layered)	DERWENT	16
		or (multilayers) or (multi-layers) or		8
		coat or coating or coated or coats or		
		coatings) same ((titanium or titania) or		
	*	(silver or silica) or iron or nickel or	•	
		chromium or aluminum or silicon or	- 10	
		calcium or magnesium or barium or zinc or		
,	-	cadmium)) and (((powder or powders or	,	
		particle or particles or particulate or	34	
		particulates) same (resin or (cellulose		- ()
		acetate) or polyamide\$1 or polyester\$1 or		
		nolvurethane or (vinvl adj acetate) or		
1		(vinvlacetate) or vinvl\$1acetate or		
		silicone or methacrylic or styrene or	,	
l		ethylene or propylene or pearlite or talc		* .
		or bentonite or kaolin)) and ((mascara	٠.	. '
		or eyebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$11ash\$2 or eyeshadow\$1		
	* -	or eve\$1shadow\$1 or lipstick\$1 or	- 2	
	1	linS1stick\$1 or nail\$1 or (eye ad)	9 10	
		liner(1)))))))) and (((("424/401") or		
		("424/70.1") or ("424/70.6") or	0.0	
		("424/70.7") or ("424/63") or		
.		("424/64")) CCLS.) or ((((layer or		
-	=	layers or (multi-layer) or (multilayer)		
		or lavered (multi-layered) or	1	
		(multilayers) or (multi-layers) or coat		
		or coating or coated or coats or	.4.	8
.	,	coatings) same ((titanium or titania) or		
		(silver or silica) or iron or nickel or		-8-
	t -	chromium or aluminum or silicon or		
]		calcium or magnesium or barium or zinc or		
i		cadmium)) and (((powder or powders or		
. 1		particle or particles or particulate or		
		particulates) same (resin or (cellulose,	1	
		acetate) or polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
1		(vinylacetate) or vinyl\$lacetate or	'	
		silicone or methacrylic or styrene or		The state of the s
		ethylene or propylene or pearlite or talc	4	
o o		or bentonite or kaolin)) and ((mascara		
į		or evebrow\$1 or (eye\$1brow\$1) or		
		eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1	,	
		or eye\$1shadow\$1 or lipstick\$1 or		
ŀ		lip\$1stick\$1 or nail\$1 or (eye adj		
' '		liner\$1) cosmetic or		
*		cosmetics).ti,ab,clm.)))))))) or		
		((refractive adj index) and	4 *	100
		((((("424/401") or ("424/70.1") or	1	
!		("424/70.6") or ("424/70.7") or		
		("424/70.6") of (424/70.7") ccls.) and	100	
		(((((layer or layers or (multi-layer) or	1	
		((((layer or layers of (multi-layer) of (multi-layer) or layered (multi-layered)		
		or (multilayers) or (multi-layers) or		
		coat or coating or coated or coats or	*	
		coatings) same ((titanium or titania) or		
-		(silver or silica) or iron or nickel or		
		chromium or aluminum or silicon or	١,	
		calcium or magnesium or barium or zinc or		
		calcium or magnesium of ballum of zinc of cadmium)) and (((powder or powders or		
		cadmium)) and (((powder or powders or		
, · ·	٠.	particle or particles or particulate or particulates) same (resin or (cellulose.	1	
70.		particulates) same (lesin of (certurose)	8	
		acetate) or polyamide\$1 or polyester\$1 or		
	4	polyurethane or (vinyl adj acetate) or		· .
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
	-1-	or bentonite or kaolin)) and ((mascara		1
		or eyebrow\$1 or (eye\$1brow\$1) or	1'	
	+	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
0 m m la TT-1		168/87esishadowsm or 1998tick\$1 or	1	1
arch His	scory .	of eyestandowst of tips of out the		
arch His		lip\$1stick\$1 or nail\$1 or (eye adj		

	393982	(powder or powders or particle or	USPAT;	2001/11/07
		particles or particulate or particulates)	EPO; JPO;	15:01
		same (resin or (cellulose acetate) or	DERWENT	
•		polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
	7.	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin)		
	219821	(powder or powders or particle or	USPAT;	2001/11/07
	213021	particles or particulate or particulates)	US-PGPUB;	15:26
		near8 (coat or coating or coated or coats	EPO; JPO;	13.20
		or coatings or overcoat\$3 or over\$1coat\$3	DERWENT;	
		or film\$1)	IBM TDB	. 0
	647964	(layer or layers or (multi-layer) or	USPAT;	2001/11/07
	64/964	(multilayer) or layered (multi-layered)	US-PGPUB;	10:29
			'	10.29
		or (multilayers) or (multi-layers) or	EPO; JPO;	
.	•	coat or coating or coated or coats or	DERWENT;	
		coatings or film\$1) near8 ((titanium or	IBM TDB	,
	t.	titania) or (silver or silica) or iron or	1	
1		nickel or chromium or aluminum or silicon		
*		or calcium or magnesium or barium or zinc		
-		or cadmium)	***************************************	0001 (11 (07
	243	((powder or powders or particle or	USPAT;	2001/11/07
		particles or particulate or particulates)	US-PGPUB;	10:35
.		same (resin or (cellulose acetate) or	EPO; JPO;	
		polyamide\$1 or polyester\$1 or	DERWENT;	
		polyurethane or (vinyl adj acetate) or	IBM TDB	<u>(i)</u>
.		(vinylacetate) or vinyl\$1acetate or		
. ,		silicone or methacrylic or styrene or		l : .
		ethylene or propylene or pearlite or talc		
	•	or bentonite or kaolin)) and ((powder or	1	;
		powders or particle or particles or	i .	
	Y.	particulate or particulates) near8 (coat		
	•	or coating or coated or coats or coatings	-A-	
İ		or overcoat\$3 or over\$1coat\$3 or film\$1))	1	
		and ((layer or layers or (multi-layer) or		
	•	(multilayer) or layered (multi-layered)		· · · · · · · · · · · · · · · · · · ·
		or (multilayers) or (multi-layers) or	*	
į		coat or coating or coated or coats or		·
1		coatings or film\$1) near8 ((titanium or		
,		titania) or (silver or silica) or iron or		
		nickel or chromium or aluminum or silicon	9 '	
		or calcium or magnesium or barium or zinc		
		or cadmium)) and (((mascara or eyebrow\$1		
	-	or (eye\$1brow\$1) or eyelash\$2 or		
		eye\$1lash\$2 or eyeshadow\$1 or		. "
		eye\$1shadow\$1 or lipstick\$1 or		
ĺ		lip\$1stick\$1 or nail\$1 or (eye adj		
		liner\$1) or (eye adj brow\$1) or (eye adj		
ļ		lash\$2) or (eye adj blow\$1) and		inc.
		(mascara or eyebrow\$1 or (eye\$1brow\$1) or		
.	·	eyelash\$2 or eye\$1lash\$2 or eyeshadow\$1		
]	
		or eye\$1shadow\$1 or lipstick\$1 or		0.0
.		lip\$1stick\$1 or nail\$1 or (eye adj		
	*	liner\$1) or (eye adj brow\$1) or (eye adj		
		lash\$2) or (eye adj		
		shadow\$1)).ti,ab,clm.) or ((("424/401")	÷ .	
		or ("424/70.1") or ("424/70.6") or		· ·
	7	("424/70.7") or ("424/63") or		
1	•	("424/64")).CCLS.))	,	

	29	(refractive adj index) and (((powder or	USPAT;	2001/11/07
		powders or particle or particles or	EPO; JPO;	10:37
		particulate or particulates) same (resin	DERWENT	
		or (cellulose acetate) or polyamide\$1 or		
		polyester\$1 or polyurethane or (vinyl adj		
		acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic		
		or styrene or ethylene or propylene or		
' '		pearlite or talc or bentonite or kaolin))		
		and ((powder or powders or particle or		
		particles or particulate or particulates)		
		near8 (coat or coating or coated or coats		-
		or coatings or overcoat\$3 or over\$1coat\$3		
		or film\$1)) and ((layer or layers or		
		(multi-layer) or (multilayer) or layered		
	i .	(multi-layered) or (multilayers) or	-	
		(multi-layers) or coat or coating or		
0.4		coated or coats or coatings or film\$1)		
· .		near8 ((titanium or titania) or (silver		
		or silica) or iron or nickel or chromium		
		or aluminum or silicon or calcium or		• ,
	1 5	magnesium or barium or zinc or cadmium))		
		and (((mascara or eyebrow\$1 or		i w
		(eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2		
		or eyeshadow\$1 or eye\$1shadow\$1 or		
,		lipstick\$1 or lip\$1stick\$1 or nail\$1 or		
		(eye adj liner\$1) or (eye adj brow\$1) or		
h h		(eye adj lash\$2) or (eye adj shadow\$1))		
		and (mascara or eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2 or eye\$1lash\$2		
	,	or eyeshadow\$1 or eye\$1shadow\$1 or		
		lipstick\$1 or lip\$1stick\$1 or nail\$1 or		,
,		(eye adj liner\$1) or (eye adj brow\$1) or		
:		(eye adj lash\$2) or (eye adj		
1		shadow\$1)).ti,ab,clm.) or ((("424/401")	eVe.	
2 .		or ("424/70.1") or ("424/70.6") or		
		("424/70.7") or ("424/63") or		
		("424/64")).CCLS.)))		A.
	2	("5985466").PN.	USPAT;	2001/11/07
1.		×	US-PGPUB;	14:32
		<u> </u>	EPO; JPO;	
l.		· .	DERWENT;	·
		(#5752005#) 799	IBM TDB	2001/11/07
-	3	("5763085").PN.	USPAT;	2001/11/07
		(f) Ey,	US-PGPUB;	14:32
		*	EPO; JPO; DERWENT;	
		*	IBM TDB	
		nakatsuka-kŝ in	USPAT;	2001/11/07
-	556	nakatsuka-k\$.ln.	EPO; JPO;	14:36
			DERWENT	
	65	atarashi-t\$.in.	USPAT;	2001/11/07
	"	acarabiir eyerii.	EPO; JPO;	14:36
·		·	DERWENT	
_ :	36	nakatsuka-k\$.in. and atarashi-t\$.in.	USPAT;	2001/11/07
			EPO; JPO;	14:51
l		·	DERWENT	
£ ×	56	(("4093777") or ("5401306") or	USPAT;	2001/11/07
*		("5643674") or ("5650002") or ("5935638")	US-PGPUB;	14:54
		or ("5607504") or ("5763085") or	EPO; JPO;	
	·	("5958125") or ("4758490") or ("5194356")	DERWENT;	*
		or ("3775328") or ("4539261") or	IBM TDB	
		("4711814") or ("5026605") or ("5082826")		,
_ :		or ("5145719") or ("5474583") or		
*-!	1	("5618467") or ("5763085") or ("5985466")		*
		or ("6013369")).PN.		

		(44,000,000,000,000,000,000,000,000,000,	II.C.D.T.	1 2001 /11 /07
-	20	(("4093777") or ("5401306") or	USPAT	2001/11/07
		("5643674") or ("5650002") or ("5935638") or ("5607504") or ("5763085") or		14:24
		("5958125") or ("4758490") or ("5194356")	,	
		or ("3775328") or ("4539261") or		
		("4711814") or ("5026605") or ("5082826")	_	
		or ("5145719") or ("5474583") or	,	
		("5618467") or ("5763085") or ("5985466")		
	•	or ("6013369")).PN.		
1_	480572	(powder or powders or particle or	USPAT;	2001/11/07
1	400372	particles or particulate or particulates	EPO; JPO;	15:08
		or core or cores) same (resin or	DERWENT	1
1		(cellulose acetate) or polyamide\$1 or		
		polyester\$1 or polyurethane or (vinyl adj		
		acetate) or (vinylacetate) or		
		vinyl\$1acetate or silicone or methacrylic		•
		or styrene or ethylene or propylene or		
		pearlite or talc or bentonite or kaolin)		
_	10	atarashi-t\$.in. and ((powder or powders	USPAT;	2001/11/07
		or particle or particles or particulate	EPO; JPO;	15:08
		or particulates or core or cores) same	DERWENT	
		(resin or (cellulose acetate) or		,
		polyamide\$1 or polyester\$1 or	,	
		polyurethane or (vinyl adj acetate) or	•	
[.		(vinylacetate) or vinyl\$1acetate or		
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		*
	-	or bentonite or kaolin))		, , , , , , , , , , , , , , , , , , , ,
-	521196	(powder or powders or particle or	USPAT;	2001/11/07
		particles or particulate or particulates	EPO; JPO;	15:15
	İ	or core or cores) same (resin or	DERWENT	
		(cellulose acetate) or polyamide\$1 or	•	
) .	polyester\$1 or polyurethane or (vinyl adj	*	
		acetate) or (vinylacetate) or		1
		vinyl\$1acetate or silicone or methacrylic	·	ii e
		or styrene or ethylene or propylene or		0
		pearlite or talc or bentonite or kaolin		
7		or polystyrene or polyethylene or		
		polypropylene or polyacrylic or polymethacrylic or acrylic or		•
		methacrylic or acrylic of methacrylic)		
_	306057	(powder or powders or particle or	USPAT;	2001/11/07
-	300037	particles or particulate or particulates	EPO; JPO;	15:17
	1	or core or cores) near8 (resin or	DERWENT	
		(cellulose acetate) or polyamide\$1 or .		10
		polyester\$1 or polyurethane or (vinyl adj	, '	
		acetate) or (vinylacetate) or		
		vinyl\$1acetate or silicone or methacrylic		
		or styrene or ethylene or propylene or		
1		pearlite or talc or bentonite or kaolin		•
1 *		or polystyrene or polyethylene or		
	·	polypropylene or polyacrylic or		
]		polymethacrylic or acrylic or		
1 . [methacrylic)	,	
-	11	atarashi-t\$.in. and ((powder or powders	USPAT;	2001/11/07
] .		or particle or particles or particulate	EPO; JPO;	15:17
j		or particulates or core or cores) same	DERWENT	
1		(resin or (cellulose acetate) or		
		polyamide\$1 or polyester\$1 or		
1		polyurethane or (vinyl adj acetate) or		
1		(vinylacetate) or vinyl\$1acetate or		
1		silicone or methacrylic or styrene or	.	
1		ethylene or propylene or pearlite or talc		
1		or bentonite or kaolin or polystyrene or		,
1		polyethylene or polypropylene or		*
1 1		polyacrylic or polymethacrylic or acrylic		
L		or methacrylic))		L

			TIGDAM.	2001/11/07
-	1	(atarashi-t\$.in. and ((powder or powders	USPAT;	2001/11/07
		or particle or particles or particulate	EPO; JPO;	15:18
	545	or particulates or core or cores) same	DERWENT	
		(resin or (cellulose acetate) or		•
		polyamide\$1 or polyester\$1 or	1	
' '		polyurethane or (vinyl adj acetate) or		
	*	(vinylacetate) or vinyl\$1acetate or		•
		silicone or methacrylic or styrene or		
İ	İ	ethylene or propylene or pearlite or talc		
		or bentonite or kaolin or polystyrene or	"	
. "		polyethylene or polypropylene or		•
_		polyacrylic or polymethacrylic or acrylic		•
		or methacrylic))) not (atarashi-t\$.in.		
		and ((powder or powders or particle or		
		particles or particulate or particulates		
		or core or cores) same (resin or		
		(cellulose acetate) or polyamide\$1 or		
1		polyester\$1 or polyurethane or (vinyl adj		* 4
		• • • • • • • • • • • • • • • • • • •		·
		acetate) or (vinylacetate) or		*
		vinyl\$1acetate or silicone or methacrylic	,	·
4.5		or styrene or ethylene or propylene or		
		pearlite or talc or bentonite or		*
· ·		kaolin)))		
·- ·	647964	(layer or layers or (multi-layer) or	USPAT;	2001/11/07
	-	(multilayer) or layered (multi-layered)	US-PGPUB;	15:23
	0	or (multilayers) or (multi-layers) or	EPO; JPO;	
•		coat or coating or coated or coats or	DERWENT;	-3
ľ		coatings or film\$1) near8 ((titanium or	IBM TDB	
		titania) or (silver or silica) or iron or		
i		nickel or chromium or aluminum or silicon		. •
		or calcium or magnesium or barium or zinc		*
		or cadmium)		·
	41958	((layer or layers or (multi-layer) or	USPAT;	2001/11/07
	11300	(multilayer) or layered (multi-layered)	US-PGPUB;	15:36
		or (multilayers) or (multi-layers) or	EPO; JPO;	
*.		coat or coating or coated or coats or	DERWENT;	
	<u>.</u>	coatings or film\$1) near8 ((titanium or	IBM TDB *	e
		titania) or (silver or silica) or iron or	1511 155	
		nickel or chromium or aluminum or silicon		
	¥	or calcium or magnesium or barium or zinc		·
		or cadmium)) and ((powder or powders or	· .	-
		particle or particles or particulate or	•	
- 0		particulates or core or cores) near8		
, , ,		(resin or (cellulose acetate) or		
		polyamide\$1 or polyester\$1 or	*	
,	. !	polyurethane or (vinyl adj acetate) or		* 1
		(vinylacetate) or vinyl\$1acetate or	· · · · ·	ė.
		silicone or methacrylic or styrene or		0
	1	ethylene or propylene or pearlite or talc		,
	_	or bentonite or kaolin or polystyrene or		
		polyethylene or polypropylene or		
		polyacrylic or polymethacrylic or acrylic		
		or methacrylic))		
-	322709	(powder or powders or particle or	USPAT;	2001/11/07
		particles or particulate or particulates)	US-PGPUB;	15:37
1	101	near8 (coat or coating or coated or coats	EPO; JPO;	
		or coatings or overcoat\$3 or over\$1coat\$3	DERWENT;	
		or film\$1 or layer or layers or	IBM TDB	
	6	(multi-layer) or (multilayer) or layered	-2 122	
1.	·	or (multi-layer) or (multilayer) or layered		y ()
		(multi-layers))	٠,	
		(mutri-rayers))		

					0001/11/07
	-	27434	(((layer or layers or (multi-layer) or	USPAT;	2001/11/07
			(multilayer) or layered (multi-layered)	US-PGPUB;	15:36
			or (multilayers) or (multi-layers) or	EPO; JPO;	
			coat or coating or coated or coats or	DERWENT; .	
1			coatings or film\$1) near8 ((titanium or	IBM TDB	,
			titania) or (silver or silica) or iron or		<u>'</u>
			nickel or chromium or aluminum or silicon		-
			or calcium or magnesium or barium or zinc		
	. ,		or cadmium)) and ((powder or powders or	,	
l	•		particle or particles or particulate or		ĺ
1			particulates or core or cores) near8	-	
			(resin or (cellulose acetate) or		
			polyamide\$1 or polyester\$1 or		
			polyurethane or (vinyl adj acetate) or]
l			(vinylacetate) or vinyl\$lacetate or		
l			silicone or methacrylic or styrene or	'	
1			ethylene or propylene or pearlite or talc		
,	a di		or bentonite or kaolin or polystyrene or	,	
		•	polyethylene or polypropylene or		_
		٠.	polyacrylic or polymethacrylic or acrylic		
		,	or methacrylic))) and ((powder or powders		
			or particle or particles or particulate		α
	.0		or particulates) near8 (coat or coating		
1			or coated or coats or coatings or		(X
ŀ			overcoat\$3 or over\$1coat\$3 or film\$1 or		
		×	layer or layers or (multi-layer) or		*
ŀ					
l			(multilayer) or layered or		• `
l			(multi-layered) or (multilayers) or		
l	j .		(multi-layers)))	*****	2001 /11 /07
		268	((refractive adj index) near9 (different	USPAT;	2001/11/07
1			or differing or differ) or ((high adj	EPO; JPO;	16:42
1			refractive adj index) same (low adj	DERWENT	
ĺ	1		refractive adj index))) and ((((layer or		5.
1		•	layers or (multi-layer) or (multilayer)		
			or layered (multi-layered) or		
1		•	(multilayers) or (multi-layers) or coat		
l			or coating or coated or coats or coatings		*
ı			or film\$1) near8 ((titanium or titania)		
ı	1		or (silver or silica) or iron or nickel		
ı			or chromium or aluminum or silicon or	4	
1	*		calcium or magnesium or barium or zinc or		
			cadmium)) and ((powder or powders or		
-			particle or particles or particulate or		2
	.				
			particulates or core or cores) near8		8
			(resin or (cellulose acetate) or		***
			polyamide\$1 or polyester\$1 or		
Ì			polyurethane or (vinyl adj acetate) or	·	
			(vinylacetate) or vinyl\$lacetate or		
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١			silicone or methacrylic or styrene or		
	·		silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc	s	
			silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or		
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or	* :10	
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or	* 0(
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic	*	
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders	, ,	
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate		
	0		ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating		
	0		ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or		
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or		
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or		
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polymopylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or (multilayer) or layered or		
			ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))) and ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or		

	67	(((refractive adj index) near9 (different	USPAT;	2001/11/07
	"	or differing or differ) or ((high ad)	EPO; JPO;	15:36
		refractive adj index) same (low adj	DERWENT	
		refractive adj index))).ti,ab,clm. and		. *
1.		((((layer or layers or (multi-layer) or		
		(multilayer) or layered (multi-layered)		1
		or (multilayers) or (multi-layers) or	,	. ,
	•	coat or coating or coated or coats or		
		coatings or film\$1) near8 ((titanium or	,	
		titania) or (silver or silica) or iron or		
		nickel or chromium or aluminum or silicon		
		or calcium or magnesium or barium or zinc		
1		or cadmium)) and ((powder or powders or		
		particle or particles or particulate or		
		particulates or core or cores) near8		
		(resin or (cellulose acetate) or	•	·
	1	polyamide\$1 or polyester\$1 or	•	
1		polyurethane or (vinyl adj acetate) or		
	!	(vinylacetate) or vinyl\$1acetate or		,
	1	silicone or methacrylic or styrene or	1	
	1	ethylene or propylene or pearlite or talc	,	0.50
		or bentonite or kaolin or polystyrene or	-	
	1	polyethylene or polypropylene or		- I
		polyacrylic or polymethacrylic or acrylic		
1		or methacrylic))) and ((powder or powders	'	
		or particle or particles or particulate		
		or particulates) near8 (coat or coating		
		or coated or coats or coatings or		,
		overcoat\$3 or over\$1coat\$3 or film\$1 or		. *
100	•	layer or layers or (multi-layer) or		
		(multilayer) or layered or		•
1		(multi-layered) or (multilayers) or		·
		(multi-layers)))))		1
1				
	1 11827	(//layer or layers or /multi-layer) or	USPAT:	2001/11/07
	11827	(((layer or layers or (multi-layer) or (multi-layer) or layered (multi-layered).	USPAT; US-PGPUB:	2001/11/07
	11827	(multilayer) or layered (multi-layered)	US-PGPUB;	2001/11/07 15:37
,	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or	US-PGPUB; EPO; JPO;	
,	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or	US-PGPUB; EPO; JPO; DERWENT;	
,	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or	US-PGPUB; EPO; JPO;	
,	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate)	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate)	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or	US-PGPUB; EPO; JPO; DERWENT;	
	11827	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or	US-PGPUB; EPO; JPO; DERWENT;	
	226548	(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyacrylic or polymethacrylic or acrylic or methacrylic))).ti,ab,clm.	US-PGPUB; EPO; JPO; DERWENT;	
-		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$lacetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polymethacrylic or acrylic or methacrylic))).ti,ab,clm. ((powder or powders or particle or	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	15:37
-		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polymethacrylic or acrylic or methacrylic))) ti,ab,clm. ((powder or powders or particle or particles or particulates)	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/11/07
		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polymopylene or polyacrylic or polymethacrylic or acrylic or methacrylic))).ti,ab,clm. ((powder or powders or particle or particles or particulates) near8 (coat or coating or coated or coats	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2001/11/07
-		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polymopylene or polyacrylic or polymethacrylic or acrylic or methacrylic)) ti,ab,clm. ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or over\$1coat\$3	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2001/11/07
		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyectylic or polymethacrylic or acrylic or methacrylic)).ti,ab,clm. ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2001/11/07
-		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyacrylic or polymethacrylic or acrylic or methacrylic))).ti,ab,clm. ((powder or powders or particle or particles or particulate or particles or particulate or particles or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or (multilayer) or layered	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2001/11/07
		(multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyectylic or polymethacrylic or acrylic or methacrylic)).ti,ab,clm. ((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2001/11/07

16	((((layer or layers or (multi-layer) or	USPAT;	2001/11/07
	(multilayer) or layered (multi-layered)	US-PGPUB;	16:32
	or (multilayers) or (multi-layers) or	EPO; JPO;	· `
	coat or coating or coated or coats or	DERWENT; IBM TDB	
	coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or	IBM IDB	
	nickel or chromium or aluminum or silicon		1
	or calcium or magnesium or barium or zinc		
	or cadmium)) and ((powder or powders or	,	
	particle or particles or particulate or		
	particulates or core or cores) near8		
	(resin or (cellulose acetate) or		
	polyamide\$1 or polyester\$1 or		·
	polyurethane or (vinyl adj acetate) or		· .
	(vinylacetate) or vinyl\$lacetate or		
	silicone or methacrylic or styrene or		
	ethylene or propylene or pearlite or talc		-0,0
	or bentonite or kaolin or polystyrene or		
	polyethylene or polypropylene or		;
	polyacrylic or polymethacrylic or acrylic		
	or methacrylic))).ti,ab,clm.) and		
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	particles or particulate or particulates)		17.
	near8 (coat or coating or coated or coats		·
	or coatings or overcoat\$3 or over\$1coat\$3		
-	or film\$1 or layer or layers or		
	(multi-layer) or (multilayer) or layered		· ·
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	((((refractive adj index) near9		
,	(different or differing or differ) or		·
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	index))).ti,ab,clm. and ((((layer or		
	layers or (multi-layer) or (multilayer)		
	or layered (multi-layered) or	. ,	
	(multilayers) or (multi-layers) or coat		
x.	or coating or coated or coats or coatings		
	or film\$1) near8 ((titanium or titania)		
	or (silver or silica) or iron or nickel or chromium or aluminum or silicon or		
	calcium or magnesium or barium or zinc or		
	cadmium)) and ((powder or powders or		
	particle or particles or particulate or		
	particulates or core or cores) near8		
	(resin or (cellulose acetate) or	÷	
	polyamide\$1 or polyester\$1 or	*	
	polyurethane or (vinyl adj acetate) or		
	(vinylacetate) or vinyl\$1acetate or		
	silicone or methacrylic or styrene or	,	
	ethylene or propylene or pearlite or talc		
	or bentonite or kaolin or polystyrene or		
	polyethylene or polypropylene or		,
	polyacrylic or polymethacrylic or acrylic		
	or methacrylic))) and ((powder or powders	••	
	or particle or particles or particulate		
	or particulates) near8 (coat or coating		
	or coated or coats or coatings or	,	
	overcoat\$3 or over\$1coat\$3 or film\$1 or		
	layer or layers or (multi-layer) or		
	(multilayer) or layered or		
	(multi-layered) or (multilayers) or		
0.0	(multi-layers))))))		
4	("3767443").PN.	USPAT;	2001/11/07
		US-PGPUB;	16:32
- 1	* ()	EPO; JPO;	
		DERWENT;	
		IBM TDB	

· ·	24	((refractive adj index) near9 (different	USPAT;	2001/11/07
_	٠.	or differing or differ) or ((high adj	EPO; JPO;	16:43
		refractive adj index) same (low adj	DERWENT	
		refractive adj index))) and ((((layer or		
		layers or (multi-layer) or (multilayer)		•
		or layered (multi-layered) or		
0		(multilayers) or (multi-layers) or coat		
		or coating or coated or coats or coatings	e .	,
		or film\$1) near8 ((titanium or titania)		
		or (silver or silica) or iron or nickel	0	
7		or chromium or aluminum or silicon or		
		calcium or magnesium or barium or zinc or		
		cadmium)) and ((powder or powders or		
		particle or particles or particulate or		
**		particulates or core or cores) near8		
		(resin or (cellulose acetate) or		
	:	polyamide\$1 or polyester\$1 or	· .	1
		polyurethane or (vinyl adj acetate) or	,	
		(vinylacetate) or vinyl\$1acetate or	,	
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc		
•		or bentonite or kaolin or polystyrene or		
		polyethylene or polypropylene or		
·		polyacrylic or polymethacrylic or acrylic		
		or methacrylic))).ti,ab,clm.) and	h.	. :
•		(((powder or powders or particle or	٠.	
		particles or particulate or particulates)		
		near8 (coat or coating or coated or coats	-	
× ×		or coatings or overcoat\$3 or over\$1coat\$3		
.		or film\$1 or layer or layers or		
		(multi-layer) or (multilayer) or layered		
<u> </u>		or (multi-layered) or (multilayers) or	* *	
. ·		(multi-lavers))).ti,ab,clm.)		
;		or (multi-layered) or (multilayers) or (multi-layers))).ti,ab,clm.)		

USPAT: 2001/11/07 (((refractive adj index) near9 (different or differing or differ) or ((high adj EPO; JPO; 16:43 refractive adj index) same (low adj DERWENT refractive adj index))) and (((layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))).ti,ab,clm.) and (((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))).ti,ab,clm.)) not (((((layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings or film\$1) near8 ((titanium or titania) or (silver or silica) or iron or nickel or chromium or aluminum or silicon or calcium or magnesium or barium or zinc or cadmium)) and ((powder or powders or particle or particles or particulate or particulates or core or cores) near8 (resin or (cellulose acetate) or polyamide\$1 or polyester\$1 or polyurethane or (vinyl adj acetate) or (vinylacetate) or vinyl\$1acetate or silicone or methacrylic or styrene or ethylene or propylene or pearlite or talc or bentonite or kaolin or polystyrene or polyethylene or polypropylene or polyacrylic or polymethacrylic or acrylic or methacrylic))).ti,ab,clm.) and (((powder or powders or particle or particles or particulate or particulates) near8 (coat or coating or coated or coats or coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or layer or layers or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or (multi-layers))).ti,ab,clm.) and ((((refractive adj index) near9 (different or differing or differ) or ((high adj refractive adj index) same (low adj refractive adj index))).ti,ab,clm. and ((((layer or layers or (multi-layer) or (multilayer) or layered (multi-layered) or (multilayers) or (multi-layers) or coat or coating or coated or coats or coatings | or films1) nears ((titanium or titania) | of (sifver of Sylica) age from or nickel or chromium or aluminum or silicon or C:\APPS\EAST\workspaceak\dogno@fleagspsium or barium or zinc or cadmium)) and ((powder or powders or

Search History

_	4797	(("424/401") or ("424/70.1") or	USPAT;	2001/11/08
		("424/70.6") or ("424/70.7") or	US-PGPUB;	09:04
	1	("424/63") or ("424/64")).CCLS.	EPO; JPO;	
	1 .	(124, 12 , 12 , 14 , 14 , 14)	DERWENT;	
			IBM TDB	
	76	((((layer or layers or (multi-layer) or	USPAT;	2001/11/08
_	/ 0	(multilayer) or layered (multi-layered)	US-PGPUB;	09:04
		or (multilayers) or (multi-layers) or	EPO; JPO;	
			· ·	
		coat or coating or coated or coats or	DERWENT;	
		coatings or film\$1) near8 ((titanium or	IBM TDB	
		titania) or (silver or silica) or iron or		
		nickel or chromium or aluminum or silicon		
		or calcium or magnesium or barium or zinc		
		or cadmium)) and ((powder or powders or		•
		particle or particles or particulate or		
		particulates or core or cores) near8		
		(resin or (cellulose acetate) or		
	•	polyamide\$1 or polyester\$1 or		
		polyurethane or (vinyl adj acetate) or		
		(vinylacetate) or vinyl\$lacetate or		
	1	silicone or methacrylic or styrene or		-
		ethylene or propylene or pearlite or talc		
			-	
		or bentonite or kaolin or polystyrene or		
		polyethylene or polypropylene or		
		polyacrylic or polymethacrylic or acrylic		1 .
		or methacrylic))) and ((powder or powders		
		or particle or particles or particulate		
		or particulates) near8 (coat or coating	0	
		or coated or coats or coatings or	- ()	
		overcoat\$3 or over\$1coat\$3 or film\$1 or		
		layer or layers or (multi-layer) or		'
		(multilayer) or layered or		*
		(multi-layered) or (multilayers) or		
	4	(multi-layers)))) and (((powder or		
•				_
		powders or particle or particles or		
		particulate or particulates) near8 (coat		ŀ
		or coating or coated or coats or coatings		,
		or overcoat\$3 or over\$1coat\$3 or film\$1		
		or layer or layers or (multi-layer) or		
•		(multilayer) or layered or		
		(multi-layered) or (multilayers) or		
•		(multi-layers))).ti,ab,clm.) and		
		((("424/401") or ("424/70.1") or		
		("424/70.6") or ("424/70.7") or		
		("424/63") or ("424/64")).CCLS.)		
_	21	(((high adj refractive adj index) same	USPAT;	2001/11/08
	21	(low adj refractive adj index) same	US-PGPUB;	09:05
		, , , ,		09.03
		(layer or layers or (multi-layer) or	EPO; JPO;	
		(multilayer) or layered or	DERWENT;	1
		(multi-layered) or (multilayers) or	IBM TDB	
		(multi-layers))) or ((refractive adj	*	
		index) near9 (different or differing or		
		differ) near9 (layer or layers or		*
		(multi-layer) or (multilayer) or layered		
		or (multi-layered) or (multilayers) or		
		(multi-layers)))) and ((mascara or		
	1	eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		
	1	or eye\$1lash\$2 or eyeshadow\$1 or		7-
	,	eye\$1shadow\$1 or lipstick\$1 or	•	
				8
		lip\$1stick\$1 or nail\$1 or (eye adj	•	
	-	liner\$1) cosmetic or		
•	1	cosmetics).ti,ab,clm.)		

	5	(powder or powders or particle or	USPAT;	2001/11/08
		particles or particulate or particulates)	EPO; JPO;	09:05
1		partities of partitional partition and index	DERWENT] 03.00
		and ((((high adj refractive adj index)	DEKMENI	
		same (low adj refractive adj index) same		
		(layer or layers or (multi-layer) or		
		(multilayer) or layered or		
[(multi-layered) or (multilayers) or	İ	`
	\ \ \		1	<u>.</u>
i		(multi-layers))) or ((refractive adj		
		index) near9 (different or differing or		. [
		differ) near9 (layer or layers or		
	1	(multi-layer) or (multilayer) or layered		l ·
			,	
-	i	or (multi-layered) or (multilayers) or		
		(multi-layers)))) and ((mascara or		
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		
		or eye\$11ash\$2 or eyeshadow\$1 or		
		eye\$1shadow\$1 or lipstick\$1 or		
1.00	3	lip\$1stick\$1 or nail\$1 or (eye adj	·	
100		liner\$1) cosmetic or		"
1 .		cosmetics).ti,ab,clm.)) and ((("5607504")		
1 .		or ("6132504") or ("6132873") or		
		("6156115") or ("6280520")).PN.)		
g-*	4799	(("424/401") or ("424/70.1") or	USPAT;	2001/11/08 .
1	•	("424/70.6") or ("424/70.7") or	US-PGPUB;	13:48
		("424/63") or ("424/64")).CCLS.	EPO; JPO;	
[·		1 121/05 / 01 (121/01 //10025)	DERWENT;	
	1			
	,		IBM TDB	1
	15787	((((layer or layers or (multi-layer) or	USPAT;	2001/11/08
	' '	(multilayer) or layered (multi-layered)	US-PGPUB;	09:10
		or (multilayers) or (multi-layers) or	EPO; JPO;	l * '. '
		coat or coating or coated or coats or	DERWENT;	
· .			•	
		coatings or film\$1) near8 ((titanium or	IBM TDB	
		titania) or (silver or silica) or iron or		
		nickel or chromium or aluminum or silicon		
		or calcium or magnesium or barium or zinc		
1		or cadmium)) and ((powder or powders or		
1				l
· ·	,	particle or particles or particulate or		
1		particulates or core or cores) near8	0.4	·
		(resin or (cellulose acetate) or	\$ · ·	· · · · · · · · · · · · · · · · · · ·
		polyamide\$1 or polyester\$1 or	6 *	
		polyurethane or (vinyl adj acetate) or		
1				· · · · · · · · · · · · · · · · · · ·
1 :		(vinylacetate) or vinyl\$1acetate or		· · · · · · · · · · · · · · · · · · ·
		silicone or methacrylic or styrene or		
		ethylene or propylene or pearlite or talc]
		or bentonite or kaolin or polystyrene or		1
		polyethylene or polypropylene or	7	
	1'	polyacrylic or polymethacrylic or acrylic		-
		or methacrylic))) and ((powder or powders		*
	1.	or particle or particles or particulate		
	1	or particulates) near8 (coat or coating		
		or coated or coats or coatings or] :
		overcoat\$3 or over\$1coat\$3 or film\$1 or		"
		layer or layers or (multi-layer) or		
		(multilayer) or layered or		· ·
		(multi-layered) or (multilayers) or	* .	
1	1 .	(multi-layers)))) and (((powder or		
		powders or particle or particles or	€.	
1	1 .			(X)
.	1	particulate or particulates) near8 (coat		
		or coating or coated or coats or coatings		
		or overcoat\$3 or over\$1coat\$3 or film\$1	' '	
		or layer or layers or (multi-layer) or		·
1.	0	(multilayer) or layered or	<u>:</u>	ļ
		(multi-layered) or (multilayers) or	,	
*		(multi-layers))).ti,ab,clm.)	<u> </u>	v - H

	*		
- 81	((("424/401") or ("424/70.1") or	USPAT;	2001/11/08
_ 01	("424/70.6") or ("424/70.7") or	US-PGPUB;	13:49
	("424/63") or ("424/64")).CCLS.) and	EPO; JPO;	
	(((((layer or layers or (multi-layer) or	DERWENT;	
	(multilayer) or layered (multi-layered)	IBM TDB	
1	or (multilayers) or (multi-layers) or		
1	or (multilayers) of (multilayers) or		
	coat or coating or coated or coats or		
	coatings or film\$1) near8 ((titanium or		
	titania) or (silver or silica) or iron or		i
	nickel or chromium or aluminum or silicon	,	*
	or calcium or magnesium or barium or zinc		
	or cadmium)) and ((powder or powders or		
	particle or particles or particulate or		
	particulates or core or cores) nears		
	(resin or (cellulose acetate) or		
· .	nolvamide\$1 or polvester\$1 or	***	
	nolyurethane or (vinyl ad] acetate) or		
	(vinvlacetate) or vinvl\$lacetate or	(X)	,
	silicone or methacrylic or styrene or		
5-2	athylene or propylene or pearlite or talk		
	or bentonite or kaolin or polystyrene or	·	
	polyethylene or polypropylene or		*
	polyacrylic or polymethacrylic or acrylic		×
(X)	or methacrylic))) and ((powder or powders		
	or particle or particles or particulate	0.0	*
- 1	or particulates) near8 (coat or coating		
	or coated or coats or coatings or		
	or coated of coats of coatings or overcoat\$3 or over\$1coat\$3 or film\$1 or		
	layer or layers or (multi-layer) or		
	(multilayer) or layered or		
	(multi-layered) or (multilayers) or		7.0
*	(multi-layers)))) and (((powder or		
7.	powders or particle or particles or		
	particulate or particulates) near8 (coat		
	or coating or coated or coats or coatings		* * *
	or overcoat\$3 or over\$1coat\$3 or film\$1		4
· ·	or layer or layers or (multi-layer) or		
	or layer or layers of (multi-layer)	1	
* *	(multilayer) or layered or	0.	¥ .
× ×	(multi-layered) or (multilayers) or	1.1	
	(multi-layers))):ti,ab,clm.))	USPAT;	2001/11/08
_ 21	(((high adj refractive adj index) same	US-PGPUB;	13:49
	(low adj refractive adj index) same	EPO; JPO;	
	(layer or layers or (multi-layer) or	DERWENT;	* * * * * * * * * * * * * * * * * * * *
,	(multilayer) or layered or	IBM TDB	
	(multi-layered) or (multilayers) or	12.1. 122	
	(multi-layers))) or ((refractive adj		
*	index) near9 (different or differing or		
. 1	differ) near9 (layer or layers or		
	(multi-layer) or (multilayer) or layered		
	or (multi-layered) or (multilayers) or	1 ,	
	(multi-layers)))) and ((mascara or		100
	evebrow\$1 or (eye\$1brow\$1) or eyelash\$2		
	or eveS1lash\$2 or eyeshadow\$1 or		1 TV
	eye\$1shadow\$1 or lipstick\$1 or		
-1-	lip\$1stick\$1 or nail\$1 or (eye ad)	111	
	liner\$1) cosmetic or		
1	lumenties ti sh clm)	11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

5 (powder or powders or particle or particles or particles or particulate or particulates) and (((high adj refractive adj index) same (low adj refractive adj index) same	
particles or particulate or particulates) EPO; JPO; 13:49 and (((high adj refractive adj index) DERWENT	
and ((((high adj refractive adj index) DERWENT	
ally ((\langle add mofragative add index) same	
	1
same (10w au) Terractive aug Inner, or	
(layer or layers or (multi-layer) or	i
(multilayer) or layered or	
(multi-layered) or (multilayers) or	. 1
(multi-layers))) or ((refractive adj	
index) near9 (different or differing or	
differ) near9 (layer or layers or	1
differ) hears (layer of layers of	
(multi-layer) or (multilayer) or layered	
or (multi-layered) or (multilayers) or	ļ
(multi-layers)))) and ((mascara or	
eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2	.
or eye\$1lash\$2 or eyeshadow\$1 or	
or eyesilashiz of eyeshalon	
eye\$1shadow\$1 or lipstick\$1 or	
lip\$1stick\$1 or nail\$1 or (eye adj	5-4
liner\$1) cosmetic or	
cosmetics).ti,ab,clm.)) and ((("5607504")	1
or ("6132504") or ("6132873") or	
OF (0152504) OF (0152675) DN \	
("6156115") or ("6280520")).PN.) 4700 ("4134/401") or ("424/70.1") or USPAT; 2001/11/0	8
1 4/99 [("424/401) OL (424/70-1) OL	-
("424//U.6") Or (424//U.7) Or	
("424/63") or ("424/64")).CCLS. EPO; JPO;	,.
DERWENT;	
IBM TDB	
	8
1 81 ((424 / 401) Of (424 / 70 · 1) Of	
[("424/70.6) OI (424/70.7) OI	
("424/63") or ("424/64")).ccls.) and EPO; JPO;	
(((((layer or layers or (multi-layer) or DERWENT;	
(multilayer) or layered (multi-layered) IBM TDB	
or (multilayers) or (multi-layers) or	
or (multilayers) of (multilayers) or	
coat or coating or coated or coats or	
coatings or film\$1) near8 ((titanium or	
titania) or (silver or silica) or iron or	
nickel or chromium or aluminum or silicon	
or calcium or magnesium or barium or zinc	
or cadmium)) and ((powder or powders or	
particle or particles or particulate or	
particle of particles of particles of particles	*
particulates or core or cores) near8	
(resin or (cellulose acetate) or	
polyamide\$1 or polyester\$1 or	
polyurethane or (vinyl adj acetate) or	
(vinylacetate) or vinyl\$lacetate or	-8-
silicone or methacrylic or styrene or	
ethylene or propylene or pearlite or talc	
etnytene or propytene of pearing of care	•
or bentonite or kaolin or polystyrene or	-
polyethylene or polypropylene or	
polyacrylic or polymethacrylic or acrylic	
or methacrylic))) and ((powder or powders	÷
or particle or particulate	
or particulates) near8 (coat or coating	
or particulates) hears (coat of coating	
or coated or coats or coatings or	
overcoat\$3 or over\$1coat\$3 or film\$1 or	
layer or layers or (multi-layer) or	· 1
(multilayer) or layered or	
(multi-layered) or (multilayers) or	
(multi-layered) of quadriday or	
(multi-layers)))) and (((powder or	4
powders or particle or particles or	
particulate or particulates) near8 (coat	
or coating or coated or coats or coatings	*
or overcoat\$3 or over\$1coat\$3 or film\$1	•
or layer or layers or (multi-layer) or	
(multilayer) or layered or	
(multilayer) of layered of	
(multi-layered) or (multilayers) or	•
(multi-layers))).ti,ab,clm.))	

		,		
-	21	(((high adj refractive adj index) same	USPAT;	2001/11/08
*		(low adj refractive adj index) same	US-PGPUB;	13:56
		(layer or layers or (multi-layer) or	EPO; JPO;	
		(multilayer) or layered or	DERWENT;	
,		(multi-layered) or (multilayers) or	IBM TDB	
		(multi-layers))) or ((refractive adj		
, .		index) near9 (different or differing or		
	į	differ) near9 (layer or layers or		
· .		(multi-layer) or (multilayer) or layered		- X-
· l		or (multi-layer) or (multilayer) or layered or (multi-layered) or (multilayers) or		
	*	or (multi-layered) or (multilayers) or		
		(multi-layers)))) and ((mascara or		
	,	eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2	,	
		or eye\$11ash\$2 or eyeshadow\$1 or		, ,
	İ	eye\$1shadow\$1 or lipstick\$1 or		
		lip\$1stick\$1 or nail\$1 or (eye adj		
ε.	.]	liner\$1) cosmetic or		
	1	cosmetics).ti,ab,clm.)		•
-	5	(powder or powders or particle or	USPAT;	2001/11/08
*		particles or particulate or particulates)	EPO; JPO;	13:56
		and ((((high adj refractive adj index)	DERWENT.	
		same (low adj refractive adj index) same		
	4	(layer or layers or (multi-layer) or		ľ
		(multilayer) or layered or		:
		(multi-layered) or (multilayers) or		
		(multi-layers))) or ((refractive adj		
		index) near9 (different or differing or		
		differ) near9 (layer or layers or		*
		(multi-layer) or (multilayer) or layered		
		or (multi-layered) or (multilayers) or		
		(multi-layers)))) and ((mascara or		
		eyebrow\$1 or (eye\$1brow\$1) or eyelash\$2		
		or eye\$1lash\$2 or eyeshadow\$1 or		
				·
		eye\$1shadow\$1 or lipstick\$1 or		
	,	lip\$1stick\$1 or nail\$1 or (eye adj '		
1		liner\$1) cosmetic or		
20		cosmetics).ti,ab,clm.)) and ((("5607504")		
3.0		or ("6132504") or ("6132873") or		
		("6156115") or ("6280520")).PN.)		2001 /11 /00
<u>.</u>	2	("4820518").PN.	USPAT;	2001/11/08
		* ***	US-PGPUB;	14:35
		.	EPO; JPO;	
	-		DERWENT;	:
			IBM TDB	